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57th Seed Annual 1934

New Marigold
GUINEA GOLD
See Page 4

BECKERT'S SEED STORE

ESTABLISHED 1877

PITTSBURGH, PA.

101-103 FEDERAL ST., NORTH SIDE · · · FAIRFAX 4210-11

SUGGESTIONS TO CUSTOMERS

PARKING

To know where to find a place to park your car while shopping is an important item in these days of crowded thoroughfares. At our location on Federal St., right near the end of the Sixth St. bridge, parking is permitted on Federal St. for 2 hours from 9:30 A. M. to 4:30 P. M., and for 1 hour on Isabella St., which is directly across from our store.

LOCAL DELIVERY SERVICE

We maintain truck delivery service to all parts of the city as well as to Wilkinsburg, Edgewood Swissvale, South Hills, Mt. Lebanon, Crafton, Ingram, McKees Rocks, Coraopolis, Sewickley, Ben Avon, Avalon, Bellevue, West View, Millvale, Etna and Aspinwall.

WHETHER you call at our store for your seeds and garden supplies or order them by mail, we can assure you of the same prompt and courteous attention and the same helpful interest in your garden success. We make it our business to fill every mail order, large or small, successively as received; throughout the year we maintain a strictly "Up-to-the-minute service." "Quick mails make near neighbors of us all."

It is our desire to serve you well. We have tried to make this catalogue a thoroughly reliable guide to garden success. The varieties which we handle are carefully selected and accurately described. If you are in need of further information, do not hesitate to write us. If you are in doubt as to what varieties to use, you can leave it to us to select those best adapted for your purposes.

Please help us to fill and ship your orders accurately and with all possible dispatch by noting carefully the following instructions:

Send Us Your Order as Early as Possible

Use the Enclosed Order Sheet, listing your requirements consecutively in the order in which they appear in the catalogue. Always keep a copy.

Write Your Name and Address Distinctly on every order you send us. Give your Name, Post Office, County and State, also Street or Box Number.

Send Your Remittances by Post Office or Express Money Order, Registered Letter or Draft. For small amounts stamps are acceptable. When remittance is not sufficient to pay for the goods ordered, we will send the quantities for which the remittance pays.

Correspondence should not be intermingled with the body of the order, but should be written on a separate sheet.

Give Complete Shipping Instructions on every order. If you are not sure which method of shipment will be best or cheapest you can safely leave that to us. Seeds, bulbs, and plants are now entitled to special express rates, which are considerably lower than on general merchandise. Consequently, we advise shipment by parcel post or express in all cases where quick delivery is desired and the order is not too bulky. See table of Parcel Post Rates below.

Delivery by Parcel Post. We will deliver free by parcel post to any post office in the United States, all vegetable and flower seeds by the packet, ounce or pound, except Beans, Peas and Corn. For Beans, Peas, Corn, Bulbs and Miscellaneous Supplies wanted by mail, add postage at your zone rate. (See table below.)

Substitutions and Adjustments. Late in the season some stock may be exhausted, so it is advisable, if you do not order early, to name substitutes, or instruct us to use our judgment in filling your order if, by chance, certain varieties which you desire should be sold out.

With regard to errors, we take every possible precaution to avoid their occurrence. Notify us at once if your order is not properly filled and we will make the necessary adjustment.

Non-warranty. In common with all responsible houses, Beckert's Seed Store does not warrant in any way, expressed or implied, the contents or description, quality, productiveness, or any other matter of any seeds, bulbs, or plants sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, he should return them at once and money will be refunded. We make all sales subject to the above conditions.

PARCEL POST RATES

Parcels of seeds and bulbs weighing less than 8 ounces must pay postage to all zones at the rate of 1 cent for each 2 ounces; in excess of 8 ounces at pound rates.

On the local rate, Pittsburgh and R. F. D. Routes Nos. 1, 2, 3, 4 and 5 the rate is 7 cents for first pound or fraction thereof; for each succeeding 2 pounds the rate advances 1 cent, viz., 2 or 3 lbs., 8 cents, 4 or 5 lbs. 9 cents, etc., to a limit of 70 lbs.

		First Pound or Fraction	Each Additional Pound or Fraction	Limit of Weight
1st zone.	Within 50 miles of Pittsburgh	$ .08	$ .01	70 lbs.
2d zone.	Over 50 and under 150 miles from Pittsburgh	.08	.01	70 lbs.
3d zone.	Over 150 and under 300 miles from Pittsburgh	.08	.02	70 lbs.
4th zone.	Over 300 and under 600 miles from Pittsburgh	.10	.04	70 lbs.
5th zone.	Over 600 and under 1,000 miles from Pittsburgh	.11	.05	70 lbs.
6th zone.	Over 1,000 and under 1,400 miles from Pittsburgh	.12	.07	70 lbs.
7th zone.	Over 1,400 and under 1,800 miles from Pittsburgh	.14	.09	70 lbs.
8th zone.	Over 1,800 miles from Pittsburgh	.15	.11	70 lbs.

All goods sent by parcel post are at purchaser's risk, unless insured. Insurance is 5 cents for $5 or less, 8 cents for $5 to $25, 10 cents for $25 to $50. This insures delivery only, but not damage to package.

1934

BECKERT'S SEED STORE

PHONE FAIRFAX 4210-11
101-103 Federal St. (North Side),
PITTSBURGH, PENNSYLVANIA

Send by _____ *Date* _____ *19*__
(State if wanted by Parcel Post, Express, Freight or Boat)

To (Name) _____
(Mr., Mrs. or Miss; write very plainly; always write name the same way)

P. O. Box, Street or Rural Delivery _____

Post Office _____

County _____ *State* _____

Station or Exp. Office _____

NON-WARRANTY—We do not warrant in any way, expressed or implied, the contents, or description, quality, productiveness or any other matter of any seeds, bulbs or plants sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on the above terms, no sale is made thereof, and he must return them at once and money will be refunded. Subject to above conditions we make all sales.—BECKERT'S SEED STORE

IF REMITTANCE IS ENCLOSED, KINDLY STATE AMOUNT HERE.

P. O. Order . $ _____
Express Order . _____
Check . . . _____
Draft . . _____
Stamps . . . _____
Cash . . . . _____
Total, $ _____

BECKERT'S SEED STORE SEEDS BULBS PITTSBURGH, PA.

No. _____
Date Rec'd _____
Filled by _____
Checked by _____
Date Sent _____

AMOUNT	NAME OF VARIETIES WANTED	✓	PRICE	
	PLEASE place one variety only to a line; order Flower Seeds on reverse side	Do not write here	Dollars	Cents
	AMOUNT FORWARDED			

AMOUNT	NAME OF VARIETIES WANTED	√	PRICE	
	Place one variety only to a line	Do not write here	Dollars	Cents

FLOWER SEEDS *Please Order By Catalog Number*

AMOUNT	CATALOG NUMBER	Do not write here	PRICE	AMOUNT	CATALOG NUMBER	Do not write here	PRICE

Postage Will be Paid by Addressee

No Postage Stamp Necessary If Mailed in the United States

BUSINESS REPLY ENVELOPE

FIRST CLASS PERMIT No. 2094, SEC. 384½ P. L. & R. PITTSBURGH, PA.

BECKERT'S SEED STORE

"Seeds You Can't Keep Down"

101-103 Federal Street

North Side, Pittsburgh, Pa.

Send a Copy of Your 57th Annual Catalog to my friends below who have gardens

Name

Post Office

Name

Post Office

Name

Post Office

ONE HALF-CENTURY AND SEVEN YEARS

● Fifty-seven years ago, the late William C. Beckert, the founder of Beckert's Seed Store, started the seed business which proved so successful under the policies he so firmly established of reliability and quality of seed stocks, together with dependable business principles. These business creeds established by our founder over a half of a century ago have been the means of establishing a reputation for and a confidence in Beckert's Seeds, which has ever been among our most cherished possessions.

The present management of Beckert's Seed Store wish to assure all of our old and new friends and customers of a continuance of these selfsame policies and principles and that we regard your good will as one of our greatest assets. We will appreciate any suggestions that will assist us in our constant efforts to improve our service.

BECKERT'S SEED STORE
Oscar M. Beckert, Manager

THAT LEISURE TIME

It is an acknowledged fact that the many changes that have taken place in our economic conditions since the establishment of the N.R.A. have all lead up to the point that insures for everyone a greater amount of leisure time. One of America's big questions will be: how will this leisure time be occupied?

For decades everyone has longed for more time in which to beautify our homes and we will now have the opportunity to put in effect the various plans which have been laying back in our minds for some time. In addition, one can also enjoy more fully, the most healthful and economical home sport of Vegetable Gardening.

101-103 FEDERAL STREET **BECKERT'S SEED STORE** **N. S., PITTSBURGH, PA.**

Fairfax 4210-11

BECKERT'S LAWN SEED WILL PRODUCE LUXURIANT LAWNS

YOUR LAWN—SOME PRACTICAL ADVICE

THE best time to start a lawn is either in early spring or in early autumn—the seasons of abundant moisture, warm days and cool nights. Spring sowings should be made as soon as the ground can be prepared for seeding, while fall sowings should be made during September.

GOOD SOIL AND PROPER DRAINAGE should be provided in order to produce a good permanent lawn. For best results, there should be at least six to eight inches of well-drained surface soil that contains plenty of humus (peat moss, leaf mold or stable manure), sufficient plant food (supplied by fertilizers) and enough moisture to make the plant food available to the roots of the plants.

PREPARING THE SEED BED. When the soil is sufficiently dried out, dig to a depth of six to eight inches, pulverize all clods of earth as finely as possible and remove all stones, sticks and rubbish. When this is completed, spread fertilizer (see page 70) over the plot and rake or harrow until the surface is fine and even.

SEEDING. Sow the seed on a day that there is no wind, sowing first in one direction and then in the opposite direction so as to seed thoroughly all of the area. After seeding is completed, cover 1/8 inch only by raking the surface very lightly in one direction; then go over the seeded plot with a roller, providing the soil is not wet. Should hot, dry weather follow after seeding, it will be necessary to supply moisture. Use only the finest spray so as to prevent washing out the seeds.

CUTTING. The first cutting should not be made until the young grass is about three inches high and even then it should not be cut too short as close croppings are injurious to a new lawn; continue cutting every ten days and rake off the clippings, except in the hot dry spells when these will act as a mulch.

THREE VALUABLE LAWN FOODS

BONE MEAL, PURE RAW — SHEEP MANURE — VIGORO

SEE PAGE 70 FOR PRICES

BECKERT'S RELIABLE LAWN GRASS SEEDS

BECKERT'S "SPECIAL" LAWN MIXTURE

The utmost care and attention has been devoted to our "Special" Lawn Mixture and it comprises the finest assortment of recleaned grasses, carefully blended in the proper proportions so as to insure a perfect and luxuriant lawn of velvety green texture. The different grasses in this formula are all selected for a special purpose; some for their deep rooting and spreading nature, others for their fine leaves and color, others for their ability to make a close, dense turf and season of growth, some for their ability to thrive under trying conditions of heat and drought. Use 1 pound to 250 square feet, 100 pounds to the acre. **1 lb. 50 cts., 2 lbs. 95 cts., 5 lbs. $2.25, 10 lbs. $4.00, 25 lbs. $9.50, 100 lbs. $37.00.**

BECKERT'S EVERGREEN LAWN-SEED

We offer in our Evergreen Mixture a well-balanced blend of the finest and most enduring grasses we know—the result of years of study and trial. Tested and proved, we can recommend it with the highest confidence for permanent and satisfactory results under even the most trying conditions. The ingredients are the highest grade of recleaned seeds only. This lawn seed is now sold only by weight. Use one pound to 250 square feet, 100 pounds to the acre. **1 lb. 40 cts., 2 lbs. 75 cts., 5 lbs. $1.75, 10 lbs. $3.25, 25 lbs. $7.25, 100 lbs. $27.50.**

SHADY-NOOK LAWN-SEED

A mixture of grasses particularly adapted for sowing in shady places where the ordinary lawn grasses do not thrive. It will produce a bright-green lawn under trees and in the shade of buildings and shrubbery where bare, unsightly spots so often appear. **1 lb. 50 cts., 2 lbs. 90 cts., 5 lbs. $2.00, 10 lbs. $3.75, 25 lbs. $9.00, 100 lbs. $35.00.**

CREEPING BENT LAWN MIXTURE

This mixture is composed of the highest grade of different Bent Grasses to which has been added the proper proportion of Fancy Recleaned Red Top. It will produce a dense, thick velvety turf, so much admired on the putting-greens of our finest golf courses.

The use of Sulphate of Ammonia as a fertilizer is recommended when using this Bent Mixture as it will increase the acidity of the soil and create a condition under which the Bent species thrive. **1 lb. $1.25, 2 lbs. $2.40, 5 lbs. $5.75, 10 lbs. $11.00, 25 lbs. $26.00, 100 lbs. $100.00.**

TERRACE LAWN MIXTURE

The varieties used in this mixture are selected for their strong and spreading root growth together with their resistance to drought conditions and thrive on shallow soils of terraces and slopes. **1 lb. 50 cts., 2 lbs. 90 cts., 5 lbs. $2.00, 10 lbs. $3.75, 25 lbs. $9.00, 100 lbs. $35.00.**

CHOICE LAWN MIXTURE

This is a very good Lawn Mixture composed of recleaned grasses that will produce a rich green turf of lasting quality. Use one pound to 250 square feet. **1 lb. 35 cts., 2 lbs. 65 cts., 5 lbs. $1.50, 10 lbs. $2.75, 25 lbs. $6.00, 100 lbs. $22.00.**

WHITE DUTCH CLOVER SEED

Excellent for sowing among grass on lawns where a quick growth is desired. Forms a close sod and remains green throughout the hot dry spells. Highest quality seed. **½ lb. 35 cts., 1 lb. 65 cts., 5 lbs. $3.00.**

SEPARATE GRASS SEED VARIETIES

ALL RECLEANED, CAREFULLY TESTED FOR PURITY AND GERMINATION

Owing to market variations, the prices quoted below are subject to change

Creeping Bent, European (*Agrostis stolonifera*). The true South German Bent. This is the best grass for putting greens. It is of rapid growth and spreading habit and the stoloniferous roots which it sends down into the soil form a strong, enduring turf that is positively improved by trampling. **1 lb. $1.25, 10 lbs. $12.00, 100 lbs. $115.00.**

Creeping Bent, Seaside (*Agrostis stolonifera maritima*). Seed of the very highest quality, grown in Coos County; especially suited for putting-greens and lawn. Spreads rapidly by means of creeping stolons or runners, thereby producing a close matted turf of rich green. **1 lb. $1.25, 10 lbs. $12.00, 100 lbs. $115.00.**

Kentucky Blue Grass (*Poa pratensis*). The well-known standard American pasture grass. It thrives anywhere, although it displays a distinct preference for soils containing lots of lime. Where permitted to develop naturally, it grows from 10 to 15 inches high and lasts for years. Our seed is of fancy quality, heavy and free from chaff. **1 lb. 45 cts., 10 lbs. $3.50, 100 lbs. $30.00.**

Crested Dog's-Tail (*Cynosurus cristatus*). Used with other grasses for lawns and pastures on hard, dry soils. **1 lb. 60 cts., 10 lbs. $5.00, 100 lbs. $45.00.**

Hard Fescue (*Festuca duriuscula*). For lawns and grazing pastures. Good in shady locations and on poor or dry soils. **1 lb. 45 cts., 10 lbs. $3.50, 100 lbs. $30.00.**

Meadow Fescue (*Festuca pratensis*). One of the most nutritious and durable pasture grasses. **1 lb. 40 cts., 10 lbs. $3.00, 100 lbs. $25.00.**

Red Fescue (*Festuca rubra*). A semi-creeping, fine turf grass which thrives on the sandiest soils and in deep shade. Used in golf mixtures. **1 lb. 50 cts., 10 lbs. $4.00, 100 lbs. $35.00.**

Sheep's Fescue (*Festuca ovina*). For pastures, on thin, poor soil. **1 lb. 45 cts., 10 lbs. $3.50, 100 lbs. $30.00.**

Orchard Grass (*Dactylis glomerata*). A hardy, vigorous grass, valuable for both hay and pasture. It thrives in shade and produces large crops even on poor soil. **1 lb. 35 cts., 10 lbs. $2.75, 100 lbs. $22.50.**

Redtop, Fancy Recleaned (*Agrostis palustris*). A valuable all-round grass for hay, pasture and lawn. As a turf grass it withstands the hardest kind of usage, and it is one of the few grasses that will thrive on damp, sour land. **1 lb. 40 cts., 10 lbs. $3.25, 100 lbs. $27.50.**

Rough Stalked Meadow (*Poa trivialis*). A drought resistant, thick matting grass which does well in shaded locations in lawns and putting-green. **1 lb. 55 cts., 10 lbs. $4.50, 100 lbs. $40.00.**

English Rye Grass (*Lolium perenne*). A quick-growing pasture grass for all but very dry locations. It produces an abundance of fine foliage, tillers out close to the ground, and grows up again in a very short time after cutting. Also valuable for hay if cut when in bloom. Generally used with other grasses but may be sown alone where a very quick stand is desired. **1 lb. 40 cts., 10 lbs. $3.00, 100 lbs. $25.00.**

Italian Rye Grass (*Lolium italicum*). An annual grass, used mostly in pasture mixtures for the sake of its quick growth and to assist other grasses the first year. **1 lb. 40 cts., 10 lbs. $3.00, 100 lbs. $25.00.**

Timothy (*Phleum pratense*). The great American hay grass. Perfectly hardy. Often sown with Red Clover at the rate of 8 to 10 pounds of Timothy with 3 to 4 pounds of Red Clover per acre. Best grade only. **1 lb. 20 cts., 5 lbs. 90 cts.** Prices on larger quantities on request.

SPECIALTIES IN FLOWER SEEDS FOR 1934

Giant Imperial Larkspur

NEW GIANT IMPERIAL LARKSPUR

Tall, upright, basal branching in habit, the Giant Imperial strain is a decided improvement over other types of Larkspur for both general garden use and for cutting. The Delphinium-like spikes of double flowers which branch from the base of the plant are 3 to 4 feet long, making them ideal for cutting.

2935 **Blue Spire.** Intense deep Oxford blue.
2936 **Carmine King**. Deep carmine-rose.
2937 **Gloria.** Rich deep rose.
2938 **Lilac Spire.** Beautiful lilac.
2940 **Peach Blossom.** Clear, light pink.
2941 **White Spire.** Dazzling pure white.
2943 **Imperial Mixed.** All colors.
Each, pkt. 20 cts., ¼ oz. 75 cts.

2939 **COLLECTION.** One pkt, each of the above 6 varieties **$1.00.**

3131 ENGELMANN'S GIANT PANSY

This special strain of Pansy is the old Scottish Show type re-selected to a strain of immense flowers. The plants are vigorous and early flowering, producing blooms 3 to 4 inches across in a great variety of shades, both dark and light, with the bronze and reddish shades predominant. **Pkt. 75 cts., 3 pkts. $2.00.**

3601 NEW VERBENA—Lavender Glory

A giant in size, the florets covering the size of a half-dollar and quite fragrant. True lavender in color with medium creamy-white eye which accentuates the lavender tone. **Pkt. 25 cts., 3 pkts. 65 cts.**

3005 MARIGOLD—Guinea Gold

Illustrated in Natural Color on Front Cover

The popularity of this distinctly new type Marigold has been quite phenomenal and has quickly taken a strong hold with both garden lovers and florists. The plant which grows about 2½ feet high is a pyramidal mass of golden-orange blossoms 2½ inches across, semi-double in form, and loosely ruffled. The cut blooms, when arranged in a jet black or cobalt blue bowl or vase, can scarcely be surpassed for decorative effect in any part of the house. The absence of the characteristic Marigold odor and the excellent keeping qualities as a cut flower are in its favor. **Pkt. 20 cts., ¼ oz. 75c.**

LONG SPURRED AQUILEGIA
Beautiful Assortment of Shades

This magnificent strain of the old favorite Columbine produces blooms of immense size in beautiful new shades, borne well above the foliage with extra long spurs. The plants are of strong growth, perfectly hardy and thrive in half-shaded locations in the herbaceous border or grouped among the shrubbery.

2175 **Blue and Lavender Shades.**
2178 **Pink and Rose Shades**
Each, pkt. 25 cts., ⅛ oz. $1.00

2368 ANNUAL CANTERBURY BELLS

Many years of careful selection has given an Annual Canterbury Bell which blooms from seed in less than six months. It should now be possible to have this beautiful flower in bloom at almost any time of the year. The plant grows from two to two and a half feet tall, each plant having six to eight spikes of bloom. We offer this in mixture containing shades of blue, pink and white. **Pkt. 25 cts., 5 pkts. $1.00**

2344 GOLD MEDAL CALENDULA NOVELTY
Chrysantha or Sunshine

We offer this season the new Calendula Chrysantha or Sunshine which received a Gold Medal Award in the "All American Selections" the past season. This lovely newcomer bears large flowers of an exquisite shade of clear buttercup-yellow with long loosely arranged petals which droop to give the rounded appearance found in some Chrysanthemums. Besides adding a bright golden splash of color to the garden, Chrysantha is a fine cutting variety, with long stiff stems. **Pkt. 25 cts., ¼ oz. $1.00.**

2645 NEW DWARF SINGLE DAHLIA
Coltness Hybrids

Growing 1½ to 2 feet in height, these Single Dahlias will bloom from 3 to 4 months after sowing. Started early indoors, the plants start blooming in July and continue until frost. They produce a wealth of single flowers that cover a wide range of colors; splendid for bedding purposes and also make fine cut-flowers. **Pkt. 25 cts., ⅛ oz. 75 cts.**

3075 DOUBLE Sweet Scented NASTURTIUM
Golden Gleam

Introduced last season as a novelty, Golden Gleam has proven a valuable acquisition to Nasturtiums. The plants are of a semi-dwarf type forming a large bush which throws out short runners 12 to 18 inches and when in full bloom is a blaze of color. Large sweet-scented, semi-double flowers of a rich golden-yellow which measure 2 to 2½ inches across are profusely borne on erect stiff stems, 6 inches long. The plants should not be overfed or over-watered as this makes them run too much to foliage. **Pkt. 15 cts., oz. 75 cts., ¼ lb. $2.50.**

3262 NEW DOUBLE SHIRLEY POPPY
Begonia Flowered Sweet Briar

One of the most popular colors in the Shirley Poppies has been the single Wild Rose. This most beautiful color we now offer in the double-flowering form in Sweet Briar, a deep rose-pink with exquisite silky texture of the petals. **Pkt. 20 cts., 3 pkts. 50 cts.**

Beckert's Specialties in Vegetables for 1934

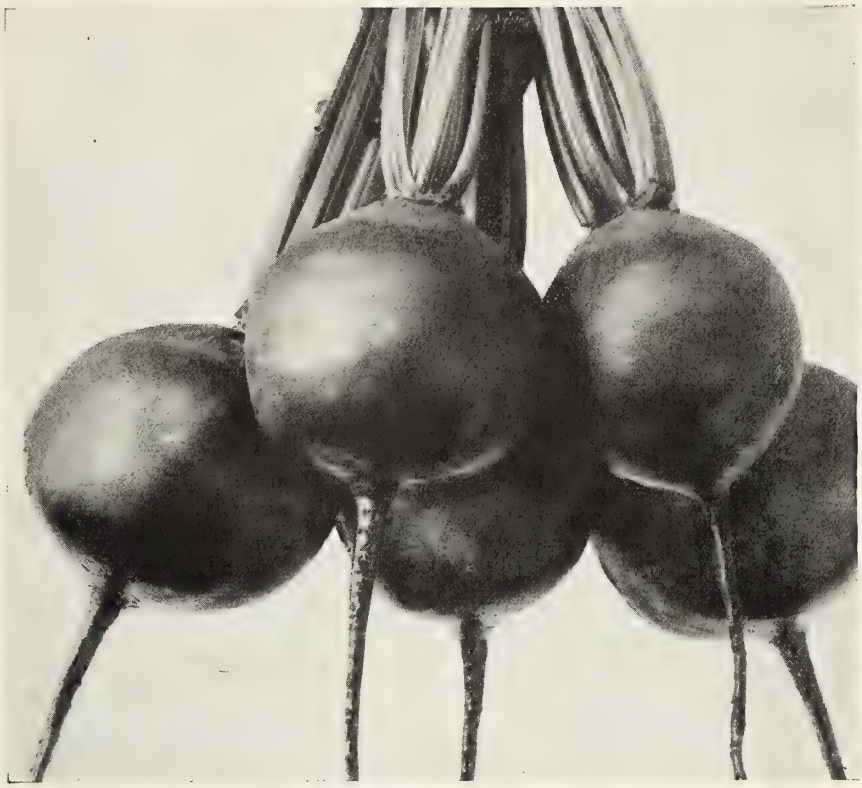
TWO NEW BEETS
AWARD OF MERIT IN 1934

"All American Selections"

In the trial tests conducted last season by the "All American Committee" the Judges decided that Beet, Perfected Detroit be given the "Award of Merit" and Beet, "Good for All" receive "Special Mention" as both were outstanding introductions. We offer these two new strains of Beet with the full assurance that they are worthy of a place in your garden.

BEET—
PERFECTED DETROIT

This new strain is the result of several generations of in-breeding and is unquestionably the darkest red and most uniform stock of blood turnip beet ever created. It is an early, round, dark red root with medium foliage, produced by in-breeding and reselection over a period of eight generations. It is an excellent canner, has no visible white zones or rings and has a fine top for bunching. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. $1.00.**



BEET PERFECTED DETROIT

BEET—"GOOD FOR ALL"

The roots are very smooth, uniform in size and shape which is almost perfect globular. Can be used at a wide range of sizes; excellent for canning whole at 1¼ inch to 1½ inch diameter, or if allowed to stand will reach a size up to 4 inches in diameter, still retaining excellent quality and color. The skin is smooth and very dark red; the interior color is a uniform dark crimson and is very free from white zones and rings. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. $1.00.**

BEAN TENDERGREEN

Stringless Green Pod Bush

This is an outstanding green-podded bush bean of highest quality. Splendid for home and market use as well as for canning. Plants are large and erect and carry a great quantity of long, nearly straight, round, absolutely stringless fleshy green pods 6 to 7 inches in length. **Pkt. 10 cts., 1 lb. 35 cts., 2 lbs. 60 cts., 5 lbs. $1.25, 10 lbs. $2.00.**

CELERY
FLORIDA GOLDEN

Introduced in 1932, Florida Golden has after exhaustive tests proven that it is a superior, very early variety and remarkably well adapted for early fall Celery in northern sections. The plants are 22 to 25 inches tall, compact, full hearted and pack well in crates. The edible stalks which are 8 to 10 inches long, blanch readily, are thick, crisp and of splendid flavor. **Pkt. 15 cts., oz. 75 cts., ¼ lb. $2.00.**

TOMATO, PRITCHARD or SCARLET TOPPER

Gold Medal Winner—1932

A scarlet self topping, disease resistant variety, originated by the late Dr. F. J. Pritchard of the U. S. Department of Agriculture in 1931. Resulting from crossing Marglobe and Cooper's Special, it inherited fine qualities from each parent. Fruits are of good size, smooth, globular, extremely solid and heavy with thick walls and of deep scarlet color. It is uniformly fruited, exceedingly productive and borne in clusters. **Pkt. 15 cts., ½ oz. 40 cts., 1 oz. 75 cts., ¼ lb. $2.25.**

The Successful Flower Garden From Seeds

The growing of flowers from seeds is not difficult, provided a few simple facts are borne in mind. In the first place remember that none of the flower seeds, with comparatively few exceptions, sprout as strongly as vegetable seeds. For this reason it pays to take particular pains in preparation of the soil, since even the smallest lump may cause the tiny seedlings to be smothered. Most people make the mistake of covering seeds entirely too deeply. As a general rule, remember that all fine seeds should not be covered any more than just sufficiently to keep them in place and to prevent the wind from blowing them away or the birds from eating them.

Soil Preparation

If possible, the ground where the flower garden is to be, should be dug the preceding fall, since the alternate freezing and thawing during the winter will do a great deal to put soil in mellow condition. Incorporate well-rotted manure, peat moss, or humus, and, should the soil be a heavy clay or of similar stiff character, add sand or ashes.

Lay out your beds in straight rows rather than by scattering seeds at random. It is much easier, then, to discover the seedlings, and it is but little trouble to transplant them where they are wanted when they become large enough.

Sowing Fine Seeds

It pays, in connection with the more expensive varieties and strains, to exercise particular care and to sow seeds in flat wooden boxes, commonly called "seed-flats." These are made up of wooden boards and may measure approximately 12 by 18 inches, with a depth of 4 inches. This sort of flat is filled to within ½ inch of the top with finely sifted soil, and the seeds are then sown in shallow furrows about 4 inches apart, with a label at the head of each row to indicate where the seedlings should appear. At first these seed-flats should be kept covered with glass or moist paper to prevent too rapid evaporation of moisture. Give seedlings plenty of fresh air.

Cultivate Patience

In connection with many Biennials and Perennials we must urge you to exercise patience. All Perennials, with the exception of a very few, are of slow germination. We give on this page a selection of Annuals and Perennials which, will give satisfactory results, and which we can heartily recommend for the various purposes.

Abbreviations Used in Flower Descriptions

HA. HARDY ANNUALS. These should be sown outside in April or May, according to season, latitude, and condition of soil; or they may be sown at a somewhat earlier date in a hotbed or in shallow boxes indoors, the combining of the two methods being advisable, thereby providing for a succession of plantings. Seed sown under glass will also produce earlier-blooming plants than seed sown outdoors.

HHA. HALF-HARDY ANNUALS.
HHB. HALF-HARDY BIENNIALS.
HHP. HALF-HARDY PERENNIALS.
These may be sown indoors as above directed from March to May, and outdoors after the middle of May. Some of the Biennials and Perennials will bloom the first season if sown early indoors.

HB. HARDY BIENNIALS.
HP. HARDY PERENNIALS.
Can be sown outdoors as soon as the soil is in good tillable condition. If sown early indoors, some will bloom the first season. Sowings made from July to September will produce well-established plants for the next season. These should be somewhat protected during the winter. Many seeds of Hardy Biennials and Hardy Perennials are of very slow germination, and seeds of such should not be condemned as bad if a quick germination does not show.

TA. TENDER ANNUALS.
TB. TENDER BIENNIALS.
TP. TENDER PERENNIALS.
These can be sown in March in the greenhouse or in hotbeds or in shallow boxes indoors. Transplant later to secure sturdy plants, which can be placed outdoors after danger of frost is over, about May 15.

ANNUAL FLOWERS FOR CUTTING

Ageratum	Larkspur
Antirrhinum	Lupinus
Arctotis	Marigold
Aster	Mignonette
Calendula	Nasturtium
Calliopsis	Nigella
Candytuft	Pansy
Carnation	Pinks
Centaurea	Phlox
Cosmos	Poppy
Chrysanthemum	Salpiglossis
Didiscus	Salvia
Everlastings	Scabiosa
Gaillardia	Sweet Peas
Gypsophila	Verbena
Hunnemannia	Zinnia

DWARF ANNUALS FOR EDGING

Ageratum	Lobelia
Alyssum	Nasturtium (Dwarf)
Brachycome	Petunia
Candytuft	Phlox
Dianthus (Pinks)	Portulaca
Eschscholtzia	Tagetes

ANNUAL VINES FROM SEED

Balloon Vine	5 to 10 feet
Canary Creeper	10 to 15 feet
Cardinal Climber	10 to 20 feet
Cobaea Scandens (TP.)	30 feet
Cypress Vine	15 to 20 feet
Dolichos	10 feet
Gourds	15 to 20 feet
Humulus	20 to 30 feet
Moonvine	20 to 30 feet
Morning Glory	8 to 10 feet
Scarlet Runner Bean	10 to 15 feet
Wild Cucumber	10 to 30 feet

POPULAR HARDY PERENNIALS

Anthemis	Lupinus
Aquilegia	Phlox
Campanula	Physostegia
Candytuft (Iberis)	Pinks
Centaurea, Montana	Poppy, Oriental
Coreopsis	Platycodon
Delphinium	Pyrethrum
Digitalis	Scabiosa, Caucasica
Gaillardia	Stokesia
Gypsophila (Hardy)	Sweet William
Hollyhock	Viola, Odorata

To quickly find description of any of the above, refer to complete index in back of catalog.

ORDER FLOWER SEEDS BY NUMBERS SHOWN IN THIS CATALOG

Beckert's Choice Flower Seeds

ABUTILON (Flowering Maple). **TP.** Valuable house-plants and suitable for the outdoor garden except in the extreme northern states. If sown early indoors in boxes, or in the hotbed, they will bloom the first season. The plants should be lifted in the fall and brought indoors, where they will flower throughout the winter.

2006 **Hibiscus Flowered Hybrids.** Flowers held upright, ranging in colors from cream to golden yellow and from white to rose. Free blooming. **Pkt. 25 cts.**

2015 **ACHILLEA, The Pearl. HP.** Dainty, pure white, double flowers; easily grown from seed sown in ordinary garden soil, preferably a space open to the sunlight and in a well-drained situation. Will flower the first season if sown early and blooms continuously from spring to fall. Grows to a height of about 2 feet. **Pkt. 15 cts., ⅛ oz. 85 cts.**

2020 **ACONITUM Napellus** (Monkshood). **HP.** Lovely, dark blue flowers and handsome foliage. Fine for borders and masses. If sown early, Monkshood will usually bloom the first year but the flowers are best the second season. Thrives in shady places. **Pkt. 15 cts., ⅛ oz. 50 cts.**

2022 **ADLUMIA cirrhosa** (Allegheny Vine, or Mountain Fringe). **HB.** A fine vine for damp, cool spots; pink flowers. Sow the seed in spring; transplanting, if necessary, should be done in the fall. The plants do not attain their full growth and produce flowers until the second season. **Pkt. 15 cts.**

ADONIS. Very pretty, low-growing plants of the easiest culture; fine in masses and continuous bloomers.

2023 **AEstivalis** (Pheasant's Eye). **HA.** Bright scarlet. **Pkt. 10 cts., ¼ oz. 20 cts.**

2024 **Vernalis** (Ox-Eye). **HP.** Large, yellow flowers; blooms the first season. **Pkt. 10 cts., ¼ oz. 50 cts.**

AGERATUM (Floss Flower) HA

Extensively used for borders, ribbon lines, etc. Blooms all summer. Sow early for best results.

2025 **Blue Perfection.** Height 12 inches; large, deep blue flowers. Fine for edging flower-beds and walks. **Pkt. 10 cts., ¼ oz. 40 cts.**

2026 **Little Blue Star.** Very compact 6 inches high, deep blue in color. **Pkt. 15 cts., ⅛ oz. 60 cts.**

2027 **Little Dorrit, Azure-Blue.** Low-growing and spreading. **Pkt. 10 cts., ¼ oz. 30 cts.**

2028 **Little Dorrit, Pure White.** The best low-growing white. **Pkt. 10 cts., ¼ oz. 30 cts.**

A Border of Ageratum

2035 **AGROSTEMMA Coeli-rosa** (Rose of Heaven). **HA.** Dainty little rose-colored flowers from July to September; nice for cutting. **Pkt. 10 cts., ¼ oz. 25 cts.**

2036 **Coronaria atrosanguinea** (Mullein-Pink). **HP.** Deep blood-red, star-shaped flowers; silvery foliage; free-flowering hardy perennial of easy culture; blooms the first season; fine for cutting; 2½ to 3 feet. June to August. **Pkt. 10 cts., ¼ oz. 25 cts.**

ALYSSUM HA

A great favorite for borders and edging, as well as for baskets and window-boxes. Thrives anywhere and blooms all summer.

2050 **Carpet of Snow.** Low and spreading; each plant about 1½ feet across and only 3 inches high; flowers white. **Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.**

2051 **Lilac Queen.** Like Little Gem in growth, but the flowers are delicate lavender; sweet-scented. **Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.**

2052 **Little Gem.** Compact and bushy, erect-growing, covered with snowy white flowers; 4 to 6 inches high. **Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.**

2054 **White Sweet Alyssum.** Honey-scented. **Pkt. 10 cts., ¼ oz. 15 cts., oz. 40 cts.**

2053 **Saxatile compactum** (Gold Dust). **HP.** Dwarf and bushy, bearing masses of pale yellow flowers in early spring. Thrives in the poorest soils and is particularly useful in rock-gardens. One of the most satisfactory creeping hardy plants. **Pkt. 10 cts., ¼ oz. 50 cts.**

Anchusa italica Dropmore

AMARANTHUS. HHA. Strong growers, requiring plenty of room, with decorative foliage. Useful for tall borders, centers of beds, and among shrubbery.

2060 **Caudatus** (Love-Lies-Bleeding). Bronzy foliage and drooping, blood-red racemes. 2 to 3 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**

2061 **Tricolor splendens gigantea** (Joseph's Coat). Foliage scarlet, yellow and green. 4 feet. **Pkt. 10 cts., ¼ oz. 30 cts.**

2065 **AMPELOPSIS Veitchii** (Boston Ivy). **HP.** An elegant hardy vine, attaching itself to stone, brick or woodwork. Stands dust and smoke well. The beautiful foliage takes on rich autumn tints. **Pkt. 10 cts., ½ oz. 30 cts.**

2070 **ANCHUSA Capensis Blue Bird. HA.** A new annual variety of compact habit, 18 inches high, which blooms all season. Flowers are bright indigo blue. **Pkt. 10 cts., ¼ oz. 40 cts.**

2071 **italica, Dropmore. HP.** Perennial plants 3 to 5 feet tall, bearing beautiful, large blue flowers in abundance during May and June. **Pkt. 10 cts., ¼ oz. 25 cts.**

ANEMONE (Windflower). **HP.** Lovely flowers in many shades of scarlet, blue, purple, and white; often over 2 inches in diameter, durable and elegant for cutting; finely cut foliage. 8 to 10 inches.

2075 **Double Chrysanthemum-flowered.** Fine, full double flowers in splendid mixture. **Pkt. 15 cts., ¼ oz. $1.00.**

2076 **St. Brigid.** Single and semi-double flowers in a wonderful array of colors. **Pkt. 25 cts., ¼ oz. $2.00.**

2080 **ANTHEMIS Tinctoria Kelwayi. HP.** Bears bright yellow daisy-like flowers which bloom all summer and are excellent for cutting. Grows about 2 feet high. **Pkt. 10 cts., ¼ oz. 50 cts.**

Mammoth Flowering Snapdragon

ANTIRRHINUM (Snapdragon) HHB

Beckert's Mammoth-Flowering Snapdragons

Far surpassing in vigor of growth and size and profusion of blossoms any of the tall, large-flowering strains previously grown. Beckert's New Mammoth varieties represent the highest development yet attained in Antirrhinums. 2½ to 3 ft.

2105 **Apple Blossom.** Rosy pink, white tube.
2106 **Canary Bird.** Canary yellow, golden yellow center.
2107 **Cattleya.** Rosy lilac.
2108 **Copper King.** Velvet copper scarlet.
2110 **Defiance.** Bright glowing scarlet.
2111 **Old Gold.** Deep golden yellow.
2112 **Purple King.** Deep garnet, dark foliage.
2113 **Ruby King.** Rich velvety, ruby red.
2114 **Snowflake.** Pure white, yellow lip.
2115 **The Rose.** Rosy pink.
2116 **Wallflower.** Wallflower-red.
Each of the above, pkt. 15 cts., ⅛ oz. 50 cts., ¼ oz. 90 cts.
2119 **COLLECTION.** One pkt. each of the above 11 varieties **$1.25.**
2125 **Mammoth Mixed. Pkt. 10 cts., ¼ oz. 60 cts.**

Large-Flowering Semi-Dwarf Varieties

Height about 1½ feet

2130 **Carmine Queen.** Brilliant rose carmine.
2131 **Climax.** Orange shading to yellow in lip.
2132 **Defiance.** Orange scarlet.
2133 **Firebrand.** Bright scarlet.
2134 **Gloria.** Rich deep rose pink.
2135 **Golden Queen.** Clear yellow.
2136 **Mauve Queen.** Lilac mauve.
2137 **Philadelphia Pink.** Pure pink.
2138 **Purity.** Pure white.
2140 **Rose Dore.** Rose suffused orange.
Each of the above, pkt. 10 cts., ⅛ oz. 30 cts., ¼ oz. 50 cts.
2139 **COLLECTION.** One pkt. each of the above 10 varieties **85 cts.**
2145 **Semi-Dwarf Mixed. Pkt. 10 cts., ¼ oz. 40 cts., oz. $1.25.**

Antirrhinum Rock Hybrids

2150 Early flowering hybrids forming small compact bushes very suitable for rock gardens; mixture of rose, pink, purple and mauve. **Pkt. 25 cts., ⅛ oz. 75 cts., ¼ oz. $1.25.**

Forcing Antirrhinums for Greenhouse Use

2155 **Ceylon Court.** Canary yellow.
2156 **Geneva Pink.** Glistening rose-pink.
2157 **His Excellency.** Brilliant orange-scarlet.
2158 **Jennie Schneider.** Columbia rose-pink.
2160 **Peerless Pink.** Cameo pink.
2161 **Rock's White.** Extra early, pure white.
2162 **Roman Gold.** Golden yellow, suffused pink.
Each of the above, pkt. 50 cts., large pkt. $1.00.

AQUILEGIA (Columbine) HP

2170 **Caerulea** (Rocky Mountain Columbine). Large flowers with long spurs; deep blue and white. One of the finest. **Pkt. 10 cts., ⅛ oz. 50 cts.**
2171 **Chrysantha.** Pure yellow, long spurs; large flowers. **Pkt. 10 cts., ⅛ oz. 50 cts.**
2172 **Single Mixed. Pkt. 10 cts., ¼ oz. 35 cts.**
2173 **Double Mixed. Pkt. 10 cts., ¼ oz. 45 cts.**

Select Long-Spurred Columbines

This wonderful selection comprises many new and beautiful shades and combinations. The plants are vigorous and stately in growth, producing their large and elegantly spurred flowers in abundance.

2175 **Blue and Lavender Shades. Pkt. 25 cts., ⅛ oz. $1.00.**
2177 **Mrs. Scott Elliott's Hybrids.** A famous strain of long-spurred Columbines, particularly rich in the light colors and pastel shades. We offer seed direct from the originators. **Pkt. 20 cts., ⅛ oz. 75 cts.**
2178 **Pink and Rose Shades. Pkt. 25 cts., ⅛ oz. $1.00.**
2181 **Long Spurred Hybrids Mixed. Pkt. 15 cts., ⅛ oz. 50 cts.**

2185 **ARABIS alpina. HP.** A fine border plant, with Verbena-like heads of snow-white flowers. **Pkt. 10 cts., ¼ oz. 25 cts.**
2190 **ARCTOTIS grandis. HHA.** Bushy and free-flowering; daisy-like, white flowers with lavender or violet centers. 2 feet. **Pkt. 10 cts., ¼ oz. 30 cts., ½ oz. 50 cts.**

ASPARAGUS. TP. Graceful plants extensively grown for their dainty, emerald green foliage, which is used in floral designs and bouquets.
2195 **Plumosus nanus.** The florists' "asparagus fern." Beautiful sprays of misty, fern-like foliage. **Pkt. 15 cts., 100 seeds 75 cts.**
2196 **Sprengeri.** The best variety for pots and baskets. **Pkt. 10 cts., 100 seeds 50 cts.**

Long-spurred Columbine

Early Branching Royal Asters

ASTERS HHA

No garden is complete without the China Asters. Lovely in form and color and easy to grow, they make most attractive beds and are the leading cut-flower from midsummer until the appearance of the chrysanthemums. They come in many types, differing in form of flower, habit of growth, and season of bloom.

Asters delight in a rich, moist soil and, to produce the largest and finest flowers, they should have plenty of room and be given frequent cultivation. For the earliest flowers, start the seed indoors in March and transplant the seedlings to the open ground when they are about 4 inches high. For later bloom, the seed may be sown in the garden in May after the soil is warm. The plants should be thinned out to stand at least a foot apart.

CALIFORNIA GIANT ASTERS

In this splendid new strain, the earliness and the beautiful fluffy Comet type of flower of the Crego Asters is combined with the giant size and vigor of the American Beauties. The flowers are full-centered and substantial, averaging 5 to 6 inches across, and produced on stout stems 18 to 24 inches long without disbudding. We urge all who grow Asters for cut-flowers to try the California Giants, believing they are destined to become the most valuable of all Asters for cutting.

2200 **Deep Rose.** 2202 **Peach Blossom.** 2204 **White**
2201 **Light Blue.** 2203 **Purple.** 2206 **Mixed**

Pkt. 20 cts., ⅛ oz. 60 cts.

2209 **COLLECTION.** One pkt. each of the above 5 colors **90 cts.**

LATE AMERICAN BEAUTY ASTERS

The American Beauty Asters produce the largest flowers on the longest stems of any of the Asters, rivaling the Chrysanthemums in size and beauty. On account of their immense size and long, stout stems they are pre-eminently desirable for cutting. The flowers have the incurving petals and full-centered form of the popular Late Branching type. Height 2 to 3 feet.

2211 **Crimson** 2213 **Purple** 2215 **White**
2212 **Lavender** 2214 **Rose** 2217 **Mixed**

Each, pkt. 15 cts., ¼ oz. 75 cts.

2219 **COLLECTION.** One pkt. each of the above 5 colors **65 cts.**

EARLY BRANCHING ROYAL ASTERS

These follow the Queen of the Market Asters. Large, full, double flowers on long, straight stems. Free-blooming and fine for cutting. Height 2 feet.

2231 **Bright Rose** 2233 **Purple** 2235 **White**
2232 **Lavender** 2234 **Shell-Pink** 2237 **Mixed**

Each, pkt. 10 cts., ¼ oz. 60 cts.

2239 **COLLECTION.** One pkt. each of the above 5 colors **40 cts.**

QUEEN OF THE MARKET ASTERS

The first to bloom. Of medium height and branching habit. Popular for early cut-flowers. Height 18 inches.

2221 **Blush-Pink** 2223 **Dark Blue** 2225 **Scarlet**
2222 **Crimson** 2224 **Lavender** 2226 **White**
2228 **Mixed Colors**

Each, pkt. 10 cts., ¼ oz. 50 cts.

2229 **COLLECTION.** One pkt. each of the above 6 colors **50 cts.**

GIANT CALIFORNIA SUNSHINE ASTERS

The Most Beautiful Aster in the World

This new strain of supremely beautiful Asters is the result of a direct cross between our now well-known California Giants and the dwarf, much-branched Sunshine type, hence the name. Plants of this new race grow 3 feet high and bear blossoms on long, stiff stems, admirable for cutting. The individual blooms are enormous, 4 to 5 and 6 inches in diameter. The grace and beauty of build, with cushiony centers of tubular bifurcate petals and the rim of exquisitely poised out-guard petals surrounding the central disk, make for a lace-like perfection and daintiness of form and contour that must appeal to the most aesthetic taste.

We offer this magnificent strain of Asters in Mixed Colors of Enchantress Pink, Appleblossom, Deep Rose, Blue and Lavender, all with disk of lovely light yellow.

2241 **Choicest Mixed Colors. Pkt. 25 cts., ⅛ oz. $1.00.**

SINGLE GIANTS OF CALIFORNIA

This wonderful Aster was developed from the Double Giants of California type. The flowers are large, measuring three to four inches across, with stems 18 to 24 inches in length. The petal has a slight twist, which adds a piquant touch to its beauty. The white blossoms resemble Shasta Daisies in appearance, but their greater length of stem makes them more graceful and better adapted to florists' use. In the garden, the Single Giants of California add a charming note of simplicity among the fuller types of Asters. We believe this new, single type of Aster is destined to become very popular.

2245 **Choicest Mixed Colors. Pkt. 15 cts., ⅛ oz. 75 cts.**

CREGO'S GIANT COMET ASTERS

Sturdy, branching plants, 2 feet tall. Large, fluffy flowers with flat, recurved, twisted petals on good stems. Fine for both bedding and cutting.

2251 **Crimson** 2253 **Lavender** 2255 **Shell-Pink**
2252 **Deep Rose** 2254 **Purple** 2256 **White**
2258 **Mixed**

Each, pkt. 10 cts., ¼ oz. 60 cts.

2259 **COLLECTION.** One pkt. each of the above 6 colors **50 cts.**

AMERICAN LATE BRANCHING ASTERS

Blooming in September, these are the most popular and widely grown of all the Asters. Vigorous plants, 2½ feet or more in height, covered with large, double flowers on extra-long stems. Excellent for cutting.

2261 **Crimson** 2263 **Lavender** 2265 **Shell-Pink**
2262 **Deep Rose** 2264 **Purple** 2266 **White**
2268 **Mixed**

Each, pkt. 10 cts., ¼ oz. 50 cts.

2269 **COLLECTION.** One pkt. each of the above 6 colors **50 cts.**

THE KING ASTERS

A distinct and most attractive type, producing large flowers with straight, quilled petals on long, stiff stems. Height, 1½ feet.

2271 **Crimson** 2273 **Rose** 2275 **Violet**
2272 **Lavender** 2274 **Shell Pink** 2276 **White**
2278 **Mixed**

Each, pkt. 10 cts., ¼ oz. 65 cts.

2279 **COLLECTION.** One pkt. each of the above 6 colors **50 cts.**

OTHER VARIETIES OF ASTERS ARE LISTED ON THE NEXT PAGE

ASTERS, continued

SIX SUPERB ASTERS

2285 **Aurora.** Bright yellow center with delicate blue petals. Quite distinct from other Asters. Height 2 feet. **Pkt. 15 cts., ¼ oz. 75 cts.**

2286 **Crimson Giant.** Showy bright crimson flowers of large size on long, strong stems. Height 2½ feet. **Pkt. 15 cts., ¼ oz. 75 cts.**

2287 **Lavender Gem.** Flowers of the ostrich feather type which are silvery white when young, and change to light lavender when fully expanded. Height about 18 inches. **Pkt. 15 cts., ¼ oz. 75 cts.**

2288 **Peerless Pink.** Considered the finest pink of the large late branching type. Color rich shell pink with large 4 to 5 inch blooms on long stems. Robust plants about 2 feet in height. **Pkt. 15 cts., ¼ oz. 75 cts.**

2290 **Peerless Yellow.** The best of the yellow Asters. Plants 2 feet tall with clear yellow flowers of good size and form on long stems. Fades slightly as it ages. **Pkt. 15 cts., ¼ oz. $1.00.**

2291 **Sensation.** Deep blood red double blooms averaging 3½ inches across, on long stems. Height about 18 inches. **Pkt. 15 cts., ¼ oz. $1.00.**

HARDY PERENNIAL ASTERS HP

2295 **Alpinus.** Grows 10 to 12 inches high and is excellent for rock gardens. Mixture of bluish and white flowers with yellow centers which bloom in May and June. **Pkt. 15 cts., ⅛ oz. 75 cts.**

2296 **Mixed** (Michaelmas Daisy). Late flowering showy single star-like blooms which grow about 3 feet tall. If sown early, will bloom the first season. **Pkt. 15 cts., ⅛ oz. 75 cts.**

2298 **AUBRIETIA. Large-flowering Hybrids** (Rock Cress). **HP.** Perpetual bloomers, in growth resembling Alyssum. Large flower-sprays in many shades of crimson, purple, blue, pink and lilac; ever-green foliage. **Pkt. 25 cts.**

2300 **BALLOON VINE** (Love-in-a-Puff). **HHA.** A rapid growing climber. White flowers, succeeded by balloon-like seed vessels. Climbs 10 to 15 feet within six weeks. **Pkt. 10 cts., ¼ oz. 20 cts.**

BALSAM (Lady's Slipper) HHA

Double Camellia-Flowered

An old garden favorite of easy culture. Start the seed indoors in April, or outdoors in May. Produces brilliant colored Camellia-like flowers all summer. Height 2 feet.

2302 **Crimson** 2304 **Salmon Pink**
2303 **Purple** 2305 **White**
2307 **Mixed**

Each of the above, pkt. 10 cts., ¼ oz. 35 cts.

2309 **COLLECTION.** One pkt. each of the above 4 colors **35 cts.**

BEGONIA TP

The Begonias are ever popular and not at all difficult to grow, although the seed is fine and must be carefully handled. The Semperflorens and Erfordia varieties are excellent for bedding and make nice pot-plants for decorative purposes. The Gracilis varieties bloom later but make particularly fine pot-plants on account of their bushy growth.

2311 **Erfordia.** Handsome dark foliage and rosy carmine flowers. 1 foot high. **Pkt. 25 cts.**

2312 **Erfordia Grandiflora Superba.** Bright rosy carmine, very free flowering. **Pkt. 25 cts.**

2313 **Gracilis Luminosa.** Fiery, dark scarlet flowers; satiny brown foliage; fine for winter flowering. **Pkt. 25 cts.**

2314 **Gracilis, Prima Donna.** Large, handsome plants covered with bright rose-pink flowers; shining green foliage. **Pkt. 25 cts.**

2315 **Semperflorens, Albert Martin.** Extra large flowers of bright crimson-scarlet, dark foliage. **Pkt. 25 cts.**

2316 **Semperflorens, Salmon Queen.** A most attractive new variety with large, salmon-colored blossoms and dark foliage. **Pkt. 25 cts.**

2317 **Semperflorens, Vernon.** A grand old favorite, often grown as a Christmas-flowering pot-plant and fine for bedding. Branching habit; dark green foliage, shaded bronzy red; carmine-scarlet flowers. **Pkt. 15 cts.**

2318 **Semperflorens, Dwarf Vernon.** Forms small, round, compact plants which are literally covered with brilliant red flowers; foliage deep, brownish red. **Pkt. 15 cts.**

Aster California Giant Sunshine
(Description on Page 9)

BELLIS PERENNIS (English Daisy) HP

2320 **Giant Longfellow.** The rose-colored flowers are large and double. **Pkt. 10 cts., ⅛ oz. 40 cts.**

2321 **Giant Snowball.** Large, double, white. **Pkt. 10 cts., ⅛ oz. 40 cts.**

MONSTROSA VARIETIES. Very double and borne on long and rigid stems.

2322 **Pink** 2323 **White** 2325 **Mixed**

Each, pkt. 15 cts., ⅛ oz. 50 cts.

2326 **Etna.** Deep red; large and double, with quilled petals. **Pkt. 25 cts., ⅛ oz. $1.00.**

2328 **BLUE LACE FLOWER (Didiscus caerulea). HHA.** Erect and branching, about 2 feet high, with spreading heads of dainty lavender-blue flowers on long stems. Splendid for cutting. **Pkt. 10 cts., ¼ oz. 50 cts.**

BRACHYCOME iberidifolia (Swan River Daisy). **HHA.** One of the daintiest and most charming little flowers imaginable; easy to grow in any soil. The flowers are borne on graceful stems well above the delicate, finely laciniated foliage. Ideal for low beds and borders. 8 to 10 inches.

2330 **Blue** 2332 **White**
2331 **Rose** 2334 **Mixed**

Each, pkt. 10 cts., ¼ oz. 40 cts.

2336 **BROWALLIA Elata Mixed. HHA.** Blue or white flowers during the summer and autumn months; grows freely in any rich soil. Height 18 inches. **Pkt. 10 cts., ¼ oz. 30 cts.**

2337 **Speciosa Major.** A beautiful rich blue which blooms outdoors during the summer and autumn. If lifted in the fall and cut back, will bloom indoors in the winter. **Pkt. 25 cts., 5 pkt. $1.00.**

CALCEOLARIA (Slipperwort) TP

Gorgeous greenhouse plants bearing hundreds of pocket-shaped, brilliantly colored flowers.

2338 **Prize Strain.** Exceedingly rich colors, perfect form and fine substance. The finest strain produced. **Pkt. 50 cts.**

CALENDULA (Pot Marigold) HA

The Newer Calendulas

2340 **Ball's Gold.** Deep golden yellow. **Pkt. 15 cts., ¼ oz. 50 cts.**
2341 **Ball's Orange.** Long stemmed, deep glowing orange. **Pkt. 15 cts., ¼ oz. 50 cts.**
2342 **Campfire or Sensation.** Dark orange. **Pkt. 15 cts., ¼ oz. 75 cts.**
2343 **Radio.** Golden orange with beautiful quilled petals. **Pkt. 15 cts., ¼ oz. 75 cts.**
2344 **Chrysantha or Sunshine** (New). Flower heads are quite distinct. The long narrow florets are flat and many of them are twisted and curled in the center. Flowers are free blooming, clear buttercup yellow, and are excellent for cutting, having a long stiff stem. **Pkt. 25 cts., ¼ oz. $1.00.**

Calendulas of Merit

2346 **Lemon Queen.** Rich lemon yellow.
2347 **Metor.** Creamy white with striped orange.
2348 **Nankeen.** Cream flushed apricot.
2350 **Orange King.** Dark center, rich orange red.
2352 **Double Mixed Varieties.**
Five above varieties each, pkt. 10 cts., ¼ oz. 25 cts., ½ oz. 40 cts.

CALLIOPSIS (Bright Eyes) HA

Very attractive, free-flowering plants of the easiest culture, thriving in any ordinary soil and blooming all summer long. The showy flowers are carried on long stems and are fine for cutting. The dwarf varieties make good potplants.

2360 **Drummondii** (Golden Wave). Bright yellow flowers with brown eyes. 2 feet tall. **Pkt. 10 cts., ¼ oz. 30 cts.**
2361 **Dwarf Crimson King.** Grows 8 inches high; covered with dark, glowing crimson flowers. **Pkt. 10 cts., ¼ oz. 30 cts.**
2362 **Dwarf Tiger Star.** Reddish brown striped with bright yellow. **Pkt. 10 cts., ¼ oz. 30 cts.**
2363 **New Hybrids Dwarf Mixed. Pkt. 10 cts., ¼ oz. 25 cts.**
2364 **New Hybrids. Tall Mixed.** Flowers bright yellow, old-gold, blood-red and brown, many spotted and striped. **Pkt. 10 cts., ¼ oz. 25 cts.**

CAMPANULA (Bellflower)

A family containing many beautiful border plants and several varieties suitable for pot-plants; mainly hardy biennials and perennials which thrive best in light, moderately rich soils, bearing a profusion of dainty, bell-shaped flowers.

NEW ANNUAL CANTERBURY BELLS. Seed sown indoors in February will make plants loaded with flowers in less than six months.
2368 **Choice Mixed. Pkt. 25 cts., 5 pkt. $1.00.**

MEDIUM (Canterbury Bells) **HB.** Large bell-shaped flowers in many shades. Elegant border or pot plants. A small proportion of the seedlings will always vary in color. 2 to 2½ feet.
2370 **Blue** 2372 **White**
2371 **Rose** 2375 **Single Mixed**
Each, pkt. 10 cts., ¼ oz. 30 cts.
2376 **Double Mixed.** Produces a goodly percentage of true double-flowering plants. **Pkt. 15 cts., ¼ oz. 50 cts.**

CALYCANTHEMA (Cup-and-Saucer). **HB.** Delightful in form and colors, and elegant subjects for the garden or for pot-culture. 2 to 2½ feet.
2380 **Blue** 2382 **White**
2381 **Rose** 2385 **Mixed**
Each, pkt. 15 cts., ⅛ oz. 50 cts.

Calendula. Campfire

Empress Candytuft

CARPATICA (Harebell). **HP.** Graceful plants with many delicate little cup-shaped flowers. Attractive and lasting; suitable for borders. Height, 6 inches.
2390 **Blue** 2391 **White** 2392 **Mixed**
Each, pkt. 15 cts., ⅛ oz. 50 cts.

PERSICIFOLIA (Peach Bells). **HP.** Large, cup-shaped flowers; long, slender leaves. Elegant for pot-plants as well as borders. 2 feet.
2394 **Giant Blue** 2395 **Giant White** 2396 **Giant Mixed**
Each, pkt. 15 cts., ⅛ oz. $1.00

PYRAMIDALIS (Chimney Bellflower). **HP.** Stately plants, 4 to 5 feet high, with large, tubular flowers; fine for borders or as large pot plants.
2398 **Blue and White Mixed. Pkt. 15 cts., ⅛ oz. 40 cts.**

CANDYTUFT (Iberis) HA

Valuable for masses and edging, and for cutting; free-flowering. Blooms within eight weeks after sowing.

2401 **Giant Hyacinth-flowered, Empress.** Very fine, large heads of pure white flowers. 1 foot. **Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.**
2402 **Dwarf Hyacinth-Flowered, Little Prince.** Large trusses of pure white. Excellent for edging or for rock gardens. Height about 6 inches. **Pkt. 10 cts., ¼ oz. 25 cts.**
2403 **Dwarf Hybrids.** Large spikes, valuable for cutting or borders; carmine, flesh, lilac, and purple mixed. **Pkt. 10 cts., ¼ oz. 25 cts.**

UMBELLATA VARIETIES. 10 to 12 inches in height.
2404 **Cream White** 2406 **Lavender**
2405 **Crimson** 2407 **Rosy Red**
2408 **Mixed**
Each, pkt. 10 cts., ¼ oz. 25 cts., oz. 60 cts.
Hardy Candytuft on Page 12.

CANDYTUFT HARDY

2410 **Gibraltaric Hybrids. HP.** A compact form with purple and white flowers. 1 foot. **Pkt. 10 cts., ¼ oz. 60 cts.**

2411 **Sempervirens. HP.** Evergreen, glossy foliage; flowers white. Fine for rock-gardens. 6 inches. **Pkt. 15 cts., ⅛ oz. 50 cts.**

CANNA (Indian Shot). **HHP.** The seeds should be soaked in warm water before sowing.

2415 **Large-flowering Mixed. Pkt. 10 cts., oz. 50 cts. For Canna Roots, see page 65.**

2420 **CARDINAL CLIMBER (Ipomoea Quamoclit hybrida). HHA.** A brilliant and beautiful climber, growing rapidly and attaining a height of 30 feet. Foliage fern-like; flowers cardinal-red, 1½ inches across, borne in clusters and produced in great profusion from mid-summer until frost. The seeds should be started indoors, but may be sown in the open in late May. Soaking the seed or notching the seed-coat will hasten germination. **Pkt. 15 cts., ⅛ oz. 30 cts., ¼ oz. 50 cts.**

CARNATION (Dianthus Caryophyllus) HHP

These may nearly all be flowered the first season by sowing early. Seedings possess great vigor and, as a rule, produce more flowers than plants from cuttings. The Marguerite strain is best treated as an annual, although they will survive an ordinary winter and bloom the following year if they are protected by leaves or straw.

2425 **Giant Marguerite,** or **Malmaison.** Early-flowering; seed sown in February will flower in June. Fine for cut-flowers. Splendid mixture from largest flowers. **Pkt. 10 cts., ⅛ oz. 50 cts.**

Marguerite, Half Dwarf. Valuable cut-flower varieties; sweet-scented and bloom from July to frost from February-sown seed. Flowers large. 1 foot.

2426 **Crimson** 2427 **Scarlet** 2428 **White** 2430 **Mixed**
Each, pkt. 10 cts., ⅛ oz. 50 cts., ¼ oz. 90 cts.

2431 **Engelmann's Gold Medal.** This new perpetual blooming strain resembles the greenhouse Carnations, but are slightly smaller and more prolific. Fine for cutting; splendid assortment of colors. **Pkt. $1.00, 3 pkts. $2.75.**

2432 **Chabaud's Everblooming.** Bears a high percentage of double flowers of the largest size, blooming five to six months after sowing. **Pkt. 25 cts., ⅛ oz. 75 cts.**

2433 **Grenadin Mixed** (Hardy Border Carnation). Dwarf and compact in growth. Blooms profusely the first season if sown early. Height 1 foot. Mixture in various colors. **Pkt. 15 cts.**

CELOSIA TA

CELOSIA PLUMOSA (Feathered Cockscomb). Of pyramidal growth with superb, pointed plumes, making grand pot-plants and gorgeous beds, blooming from July to September. Prefers a fairly rich soil. 2 feet.

Thompsoni Magnifica. Splendid improved strain.

2440 **Crimson** 2441 **Orange-red** 2442 **Yellow** 2445 **Mixed**
Each, pkt. 10 cts., ¼ oz. 50 cts.

2446 **Pride of Castle Gould.** Compact, pyramidal plants with immense flower-heads shaped like ostrich plumes, in many brilliant colors. **Pkt. 25 cts., ⅛ oz. $1.00.**

CELOSIA CHILDSI (Chinese Woolflower). The finest of the Celosias for bedding and also splendid for cutting. Each plant produces many enormous, ball-shaped flower-heads. 2 feet tall.

2450 **Crimson** 2451 **Pink** 2452 **Yellow** 2455 **Mixed**
Each, pkt. 15 cts., ⅛ oz. 35 cts.

CELOSIA CRISTATA (Cockscomb). Distinct and handsome; makes fine decorative plants and unique beds. The comb-like heads grow to a large size. Sow the seed indoors in March or outside in May.

2460 **Empress.** Enormous, crimson heads, dark foliage. 12 inches. **Pkt. 15 cts., ⅛ oz. 50 cts.**

2462 **Dwarf Mixed.** Plants average 8 inches high; combs in shades of red and yellow. **Pkt. 10 cts., ⅛ oz. 30 cts.**

2400 **CANARY CREEPER (Tropaeolum canariense). HHA.** An elegant vine for vase or trellis. Daintily fringed, bright yellow flowers; deeply divided, light green foliage. 10 to 15 feet. **Pkt. 10 cts., ¼ oz. 20 cts.**

2500 **CERASTIUM tomentosum** (Snow in Summer). **HP.** White-leaved edging or rockery plant with small white flowers. Height 12 inches. **Pkt. 15 cts., ⅛ oz. 75 cts.**

2510 **CHELONE Barbata Torreyi** (Turtlehead). **HP.** Showy decorative perennial bedding plant. Blooms in July and August. Height 2 feet. **Pkt. 10 cts., ¼ oz. 50 cts.**

Border Carnations

CENTAUREAS

CYANUS (Cornflower or Bachelor's Button). **HA.** Old time, easy to grow favorites; bloom all summer and are excellent for cutting. Height 2 feet.

2470 **Double Blue** 2471 **Double Maroon** 2472 **Double Pink**
2473 **Double White** 2475 **Double Mixed**
Each, pkt. 10 cts., ¼ oz. 25 cts.

2479 **COLLECTION.** One pkt. each of the above 4 colors **30 cts.**

CENTAUREA IMPERIALIS (Royal Sweet Sultan). **HA.** These are the finest of all the Sweet Sultans for cutting; long stems and delightful fragrance. For continuous bloom, sow in succession every two weeks from May until July. Height 2 to 3 feet.

2481 **Deep Lavender** 2482 **Lilac** 2483 **Purple** 2484 **Rose**
2485 **Red** 2486 **White** 2488 **Mixed**
Each, pkt. 10 cts., ¼ oz. 35 cts.

2489 **COLLECTION.** One pkt. each of the above 6 colors **50 cts.**

2491 **Americana** (Basket Flower). **HA.** A giant variety with immense blooms of rosy lavender. Height 3 feet. **Pkt. 10 cts., ¼ oz. 40 cts.**

2492 **Montana** (Perennial Cornflower). **HP.** Large showy deep blue flower. Height 2 feet. **Pkt. 10 cts., ¼ oz. 40 cts.**

2493 **Suaveolens** (Yellow Sweet Sultan). **HA.** Bright yellow flowers, sweetly scented. **Pkt. 10 cts., ¼ oz. 35 cts.**

2495 **Candidissima. HHP.** Broad cut foliage of silvery gray. Height 1 foot. **Pkt. 10 cts., ¼ oz. 50 cts.**

2496 **Gymnocarpa. HHP.** Fine cut silvery foliage. **Pkt. 10 cts., ¼ oz. 75 cts.**

CHRYSANTHEMUMS

Annual Varieties HA.

Known as Painted Daisies. Very showy; useful as pot-plants as well as for cutting and bedding; bloom in late summer. They require plenty of room, but little care. Height about 2 feet.

2515 **Burridgeanum.** White petals, brownish red zone. **Pkt. 10 cts., ¼ oz. 35 cts.**
2516 **Evening Star.** Rich golden yellow. **Pkt. 10 cts., ¼ oz. 35 cts.**
2517 **Inodorum, Snowball.** Very double, pure white daisy-like flowers. Fine for cutting. **Pkt. 10 cts. ¼ oz. 50 cts.**
2518 **Morning Star.** Canary yellow with deeper center. **Pkt. 10 cts., ¼ oz. 35 cts.**
2520 **Northern Star.** Large blooms with white petals and light yellow zone around a dark brown eye. **Pkt. 10 cts., ¼ oz. 35 cts.**
2522 **Single Mixed** (Painted Daisies). Many bright colors. **Pkt. 10 cts., ¼ oz. 25 cts.**
2523 **Double Mixed. Pkt. 10 cts., ¼ oz. 25 cts.**

Perennial Varieties

2525 **Shasta Daisy, Alaska. HP.** A hardy perennial variety with extra large pure white flowers on long stems. A beautiful cut flower. **Pkt. 15 cts., ¼ oz. 50 cts.**
2526 **Japanese Hybrids. TP.** An extra choice mixture of large flowers. Seed sown in the spring will produce flowering plants by fall. **Pkt. 25 cts.**
2527 **Frutescens** (Marguerite). **TP.** Grown mainly in the greenhouse. Pale yellow, daisy-like blooms. **Pkt. 15 cts.**

Annual Chrysanthemums

CINERARIA TP

Distinct and ornamental house plants, bearing magnificent heads of velvety flowers, in white, all shades of blue from pale to dark blue, pink, carmine, and crimson, with many bicolors.

2530 **Hybrida Grandiflora.** A prize strain; large-flowering and unsurpassed for richness of color. 1½ feet tall. **Pkt. 50 cts.**
2531 **Hybrida Grandiflora, Semi-Dwarf.** Plants about 1 foot tall; compact in growth and bearing large, superbly colored flowers in profusion. **Pkt. 50 cts.**
2532 **Multiflora Nana Hybrid.** Splendid, dwarf profusely blooming hybrids. **Pkt. 50 cts.**
2533 **Hybrida Grandiflora, Matador.** A French variety, bearing large scarlet flowers. **Pkt. 50 cts.**
2534 **Hybrida Stellata** (Star Cineraria). Star-shaped flowers with narrow petals, in many pleasing colors. Highly decorative, 1½ feet high. **Pkt. 50 cts.**

CLARKIA HA

Our improved double flowering strain is a very graceful and easily grown annual. They flower profusely on long stems during July and are adapted for bedding, cutting and under glass. Height 2 to 2½ feet.

2540 **Apple Blossom**
2541 **Brilliant Crimson**
2542 **Purple Prince**
2543 **Salmon Queen**
2544 **White Prince**
2546 **Mixed**

Each pkt. 10 cts., ¼ oz. 30 cts.

2505 **CHEIRANTHUS, Allioni** (Siberian Wallflower). Dwarf perennial, best treated as an annual. Splendid for rock gardens or edging. Grows about 12 inches high with heads of brilliant orange flowers. **Pkt. 15 cts., ¼ oz. 35 cts.**

Cosmos for Cutting

COSMOS HHA

One of our most popular annuals for tall borders and for cutting, blooming in late summer and fall. Of tall and upright growth with finely cut foliage and graceful, long-stemmed showy flowers that last well in water. For early flowers the seed should be sown in boxes in March or April, or planted in the open ground as soon as all danger from frost is past. Pinch back plants when they are once well established, as this makes them more sturdy and compact and encourages them to bloom more freely.

NEW EARLY DOUBLE-CRESTED. This fine, new type makes particularly effective flowers for cutting. About 75 percent of the seedlings will bear large, beautifully formed flowers with full-double centers and an outer row or crest of guard petals. Blooms from early August until frost. 5 feet tall.

2575 **Crimson**
2576 **Pink**
2577 **White**
2580 **Mixed**

Each, pkt. 20 cts., ¼ oz. $1.00.

2579 **COLLECTION.** One pkt. each of the above 3 colors **50 cts.**

MAMMOTH EARLY-FLOWERING. An extra-select strain, combining extreme earliness with great vigor and unusual size of flowers. Commences to bloom in July and continues until cut down by frost. The flowers often measure 4 inches across. 5 feet.

2585 **Crimson**
2586 **Pink**
2587 **White**
2590 **Mixed**

Each, pkt. 10 cts., ¼ oz. 25 cts.

2589 **COLLECTION.** One pkt. each of the above 3 colors **25 cts.**

GIANT LATE, or LADY LENOX. Blooms in September and produces the largest flowers of all, with wide, overlapping petals and long stems. 6 to 7 feet.

2595 **Giant Crimson**
2596 **Giant Pink**
2597 **Giant White**
2598 **Giant Mixed**

Each pkt. 10 cts., ¼ oz. 25 cts.

2599 **COLLECTION.** One pkt. each of the above 3 colors **25 cts.**

2600 **KLONDYKE.** A distinct form, growing about 4 feet high and bearing a profusion of orange-yellow flowers 2 to 3 inches in diameter. Should be started early indoors. Grown as a pot-plant. **Pkt. 10 cts., ¼ oz. 50 cts.**
2601 **DOUBLE LATE MIXED. Pkt. 10 cts., ¼ oz. 50 cts.**

Coreopsis lanceolata grandiflora

COREOPSIS HP

2565 **Lanceolata Grandiflora.** Bright, golden yellow flowers, 3 inches in diameter, borne on strong stems, from early summer until fall. One of the brightest and most valuable of the perennial flowers for cutting and borders. 2 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**

2566 **Lanceolata Grandiflora Fl. Pl.** A double and semi-double form of the single Coreopsis, possessing the same rich golden yellow color. **Pkt. 15 cts., ¼ oz. 50 cts.**

For annual Coreopsis, see Calliopsis on page 11.

2550 **CLEOME** (Giant Spider Plant). **HA.** Spikes of rose-pink flowers which, on account of their long, wiry stamens, bear a strange resemblance to spiders. A vigorous grower and bloomer, excellent for tall borders. 3 to 4 feet. **Pkt. 10 cts. ¼ oz. 25 cts.**

2555 **COBAEA scandens** (Cathedral Bells). **TP.** A popular, very rapid-growing climber with large, bell-shaped blue flowers. **Pkt. 10 cts., ¼ oz. 25 cts.**

2560 **COLEUS. Prize Mixed. TP.** Seed saved from collections of the newest and choicest varieties. **Pkt. 25 cts.**

2635 **CYNOGLOSSUM, Amiable** (Chinese Forget-me-not). **HA.** Blue forget-me-not like flowers, delicately sweet scented. **Pkt. 15 cts., ¼ oz. 40 cts.**

2640 **CYPRESS VINE (Ipomoea Quamoclit). AHH.** Delicate foliage with masses of little star-shaped scarlet and white flowers. **Pkt. 10 cts., ¼ oz. 25 cts.**

CYCLAMEN TP

We offer a choice selection of the finest strain of Cyclamen seed grown by a noted European specialist. Seed may be sown any time during the summer or autumn.

		Pkt.	100 Seeds
2610	**Bonfire, Salmon Scarlet**	$.50	$2.00
2611	**Dark Blood Red**	.50	2.00
2612	**Mozart, Deep Pink**	.50	2.50
2613	**New Salmon Rose—Improved**	.50	2.00
2614	**Orange Beauty**	.50	2.50
2615	**Pink Pearl**	.50	2.50
2616	**Pure Rose**	.50	2.00
2617	**Pure White**	.50	2.00
2618	**Saffron Red, Silver Edged**	.50	2.50
2620	**Salmon**—Color Dark	.50	2.00
2621	**Salmon**—Color Light	.50	2.00
2622	**Salmon**—Color Scarlet (Christmas Color)	.50	2.50
2623	**Soft Rose with Carmine Eye**	.50	2.00
2624	**White with Carmine Eye**	.50	2.00
2630	**Choice Mixed**	.50	1.75

DAHLIAS HHP

Fine mass effect and new colorings can be obtained by growing Dahlias from seed. Sow the seed early indoors and transplant in the open as soon as safe.

2645 **Coltness Hybrids** (New). A new form of the dwarf single type. The flowers measure about 3 inches across and come in many bright colors. Height about 18 inches. **Pkt. 25 cts., ⅛ oz. 75 cts.**

2646 **Double Large-flowering Show Varieties.** Saved from the most double flowers. **Pkt. 20 cts., ⅛ oz. 60 cts.**

2647 **Double Cactus Varieties.** Saved from the finest new sorts; large and showy. **Pkt. 20 cts., ⅛ oz. 75 cts.**

2650 **DATURA cornucopia** (Angel's Trumpet). **HA.** Strong, bushy plants with coarse foliage and large, very sweet-scented flowers, interior white, exterior violet-purple. 1½ feet. **Pkt. 10 cts., ¼ oz. 40 cts.**

DELPHINIUM HP

The Delphinium can readily be classed as one of the most handsome garden flowers, in addition to being of great value for cutting. The seed, when sown very early indoors, will produce blooming plants late in the summer; or if sown in August will bloom the following season. Once the plants are established they bloom in June along with the Madonna Lilies and Japanese Iris. A fall crop of flowers will be obtained if the stems are cut back after the flowers have faded and a little bone meal is fed.

2655 **New Hollyhock Strain, Wrexham Mixed.** A wonderful and popular strain with enormous pyramidal spikes of large single and double florets 1½ to 2 inches across. The colors range in all shades of blue blended with mauve, pink and violet, with an occasional white. **Pkt. 50 cts., 1/16 oz. 75 cts., ⅛ oz. $1.25.**

2656 **Giant Exhibition Hybrids.** Large flower-spikes, varying in color from pale blue to deepest indigo with many intermediate shades of blue and lavender. A splendid strain. 4 feet. **Pkt. 25 cts., ⅛ oz. 75 cts., ¼ oz. $1.25.**

2657 **Belladonna** Clear turquoise-blue flowers. 4 feet. **Pkt. 25 cts., ⅛ oz. 75 cts.**

2658 **Bellamosa.** A splendid companion to the old favorite Belladonna. Dark blue; free-blooming and hardy. 4 feet. **Pkt. 25 cts., ⅛ oz. 75 cts.**

2660 **Cardinale.** The elegant scarlet flowers have yellow centers. 3 feet. **Pkt. 25 cts., ⅛ oz. $1.00.**

2661 **Chinense, Blue.** Tall, slender plants with long spikes thickly set with bright blue flowers. 3 feet. **Pkt. 10 cts., ¼ oz. 50 cts.**

2662 **Chinense, White.** Flowers pure white. **Pkt. 10 cts., ¼ oz. 50 cts.**

Delphinium Hollyhock Strain

DIANTHUS (Garden Pinks)

The Dianthus genus has furnished us with many useful and pretty flowers. Besides the Pinks listed below, there are the many forms of Carnations and the Sweet Williams offered elsewhere in this catalogue. The Garden Pinks are particularly useful for bedding and also suitable for cutting. They come in single and double forms, some with deeply fringed petals, and in many attractive colors and markings. Average height about 1 foot.

Double Annual Pinks

Single Annual Pinks HA

These are strong, sturdy growers, blooming from early summer until fall. They require a moderate amount of sunshine but are not particular as to soil and will thrive almost anywhere. The seed may be sown in spring or fall, and transplanting, if necessary, should be done while the plants are quite small.

2670 **Crimson Belle.** Rich velvety crimson. **Pkt. 10 cts., ¼ oz. 40 cts.**
2671 **Eastern Queen.** Delicately marbled rose and mauve flowers. **Pkt. 10 cts., ¼ oz. 40 cts.**
2672 **Purity.** Large, single, snow-white flowers; clover-scented; fine for cutting. **Pkt. 10 cts., ¼ oz. 40 cts.**
2673 **Salmon Queen.** Single flowers deep rosy salmon, very beautifully fringed. **Pkt. 10 cts., ¼ oz. 50 cts.**
2675 **Single Mixed.** Many brilliant colors. **Pkt. 10 cts., ¼ oz. 30 cts.**

Double Annual Pinks HA

2676 **Diadem Pinks.** Very large, double and showy; mixed colors. **Pkt. 10 cts., ¼ oz. 40 cts.**
2677 **Fireball.** Very double, bright red flowers; 8 inches; a splendid bedder. **Pkt. 10 cts., ¼ oz. 50 cts.**
2678 **Lucifer.** A popular fringed variety with brilliant flowers of geranium red about 2 inches in size. **Pkt. 10 cts., ¼ oz. 50 cts.**
2680 **Mourning Cloak.** Double; laciniated petals; deep, blackish crimson with a narrow silvery margin. **Pkt. 10 cts., ¼ oz. 40 cts.**
2681 **Snowball.** Flowers double, pure white; fringed petals; 8 inches. **Pkt. 10 cts., ¼ oz. 50 cts.**
2683 **Double Mixed.** All colors and types in Double Pinks. **Pkt. 10 cts., ¼ oz. 35 cts.**
2679 **COLLECTION.** One pkt. each of the 4 Single Pinks and 5 Double Pinks. **9 pkts. 70 cts.**

2685 **SWEET WIVELSFIELD** (Hybrid Dianthus) **HA.** This new annual Dianthus is a cross between Dianthus Allwoodi and Sweet William and resembles the latter. Grows about 12 inches in height and adapts itself to use in the border or rock garden and is fine for cutting. Seed sown indoors in January or February and transplanted outdoors in April, will bloom from June until frost; or if sown in the open ground in April will bloom late in the summer. Choice mixture of various colors. **Pkt. 15 cts., ⅛ oz. 50 cts.**

Hardy Garden Pinks HP

2686 **Allwoodi.** This new half Carnation and half Pink is a continuous bloomer until frost and is suitable for the rock garden, border or pot culture. Mixture, all colors except yellow. **Pkt. 25 cts.**
2687 **Rock Garden Hybrids.** A special mixture containing many dwarf varieties suitable for rock gardens. **Pkt. 25 cts.**
2688 **Single Early Grass Pinks (D. plumarius).** Also called Pleasant Eye and Clove Pinks. Many-colored, with fringed petals. **Pkt. 10 cts., ¼ oz. 30 cts.**
2690 **Everblooming Grass Pinks (D. plumarius semperflorens).** Single and semi-double; blooming constantly all summer long. **Pkt. 25 cts., ¼ oz. 85 cts.**
2691 **Double Grass Pinks (D. plumarius fl.-pl).** Also known as Scotch Florist's Pinks. Double flowers; early blooming. **Pkt. 15 cts., ¼ oz. $1.00.**

Hardy Garden Pinks

DIGITALIS (Foxglove) HB

Beautiful hardy flowers for the tall border, with towering spikes of bell-shaped blossoms and strong, clean foliage at the base. Although they sometimes persist for several years, they are best treated as biennials, blooming the second season from seed sown during spring or summer. They may also be flowered in pots in a cool greenhouse from August-sown seed.

2692 **Giant Shirley Mixed.** A new strain of Giant Foxglove attaining a height of 5 to 7 feet with spikes of bloom 3 to 4 feet long, closely set with flowers of giant size ranging in color from white to dark rose, spotted and blotched with crimson, maroon, and chocolate. **Pkt. 15 cts., ¼ oz. 50 cts.**

Gloxinaeflora. Large flowers of velvety texture, with gloxinia-like spots, on long, well-filled spikes. 3 to 5 feet.
2693 **Pink.** 2694 **Purple.** 2695 **White.** 2696 **Mixed.**
Each, pkt. 10 cts., ¼ oz. 40 cts.

2697 **Maculata Superba.** A beautiful spotted variety in various colors. **Pkt. 10 cts., ¼ oz. 50 cts.**
2698 **Monstrosa** (Mammoth Foxglove). A very unusual and showy form in which the upper flowers are united into one very large, cup-shaped blossom. Various colors. **Pkt. 10 cts., ¼ oz. 40 cts.**

DIMORPHOTHECA (African Orange Daisy) HA

The serious handicap of an awkward name has not prevented the Dimorphothecas from rising rapidly in the favor of flower-lovers. They grow rapidly and luxuriantly in any sunny spot, commence to bloom in six to eight weeks after sowing, and are one continuous sheet of bloom from then on until fall. For best effect, they should be planted in masses, but they are also suitable for borders and pot-plants, and make very nice cut-flowers. 12 to 15 inches.

2700 **Aurantiaca.** Fine, large, many-petaled flowers, deep ochre or orange-yellow with a black zone at the base and small brown disk. **Pkt. 10 cts., ¼ oz. 50 cts.**
2701 **New Hybrids.** Single and semi-double flowers varying in color from creamy white to deepest yellow, salmon-rose and orange. **Pkt. 10 cts., ¼ oz. 50 cts.**

ESCHSCHOLTZIA (California Poppy) HA

The plants are bushy, growing about 1 foot high, with fine bluish foliage and many bright flowers. The seed is usually sown in the spring outdoors where they are to remain, as they do not stand transplanting; late fall sowing also gives excellent results. They thrive best in a sunny spot, commencing to bloom early and, if kept well cultivated and watered, continue in flower until frost. California Poppies make bright beds and attractive borders, and when used for cut flowers, they should be cut when in bud form.

2720 **Golden West.** Fine, large, golden yellow flowers, blotched with orange at the base of the petals. **Pkt. 10 cts., ¼ oz. 30 cts.**

2721 **Lovely.** Bright rose-pink suffused, with salmon inside and out with a fine satiny finish. **Pkt. 10 cts., ¼ oz. 40 cts.**

2722 **Mauve Beauty.** An entirely new color. A beautiful shade of pure mauve. **Pkt. 10 cts., ¼ oz. 40 cts.**

2723 **Mikado.** Bright orange-crimson flowers. **Pkt. 10 cts., ¼ oz. 30 cts.**

2724 **Scarlet Beauty.** The brightest red in Eschscholtzias. Vivid scarlet flowers and bluish foliage; very effective. **Pkt. 10 cts., ¼ oz. 40 cts.**

2725 **The Geisha.** Beautifully fluted flowers; inside yellow, outside orange-red. **Pkt. 10 cts., ¼ oz. 40 cts.**

2726 **Vesuvius.** Brilliant wallflower-red. **Pkt. 10 cts., ¼ oz. 40 cts.**

2727 **White.** Large flowers; sage-green foliage. **Pkt. 10 cts., ¼ oz. 30 cts.**

2729 **COLLECTION.** One pkt. each of the above 8 varieties **65 cts.**

2730 **New Hybrids Mixed.** A fine blend of the many superb colors in the new large-flowering erect type. **Pkt. 10 cts., ¼ oz. 40 cts.**

2731 **Single Mixed.** Assortment of beautiful colors. **Pkt. 10 cts., ¼ oz. 25 cts.**

Helichrysum (Straw Flower)

DOLICHOS (Hyacinth Bean) HHA

Ornamental climbing beans with large, handsome foliage and showy, pea-like flowers in long, erect racemes, followed by curious, flat pods of various colors.

2705 **Darkness.** Purplish lavender flowers, succeeded by deep maroon-purple pods. Foliage tinged with purple. **Pkt. 10 cts., oz. 30 cts.**

2706 **Daylight.** White flowers and pods; light green foliage. Free-flowering. 8 to 10 feet. **Pkt. 10 cts., oz. 30 cts.**

2707 **Lablab, Mixed.** Tall growing with flowers ranging in color from white to purple. **Pkt. 10 cts., oz. 25 cts.**

2710 **DRACAENA (Cordyline) indivisa. TP.** Graceful foliage plants; fine subjects for vases. Second-year plants may be planted out in the open border in late spring and repotted in the fall. Hulled seed. **Pkt. 10 cts., ¼ oz. 25 cts.**

2711 **EDELWEISS. HP.** An interesting Alpine plant for the rockery, easily grown in any sunny location. Handsome silvery foliage and star-shaped flowers. 6 to 8 inches. **Pkt. 25 cts.**

EUPATORIUM (Thoroughwort) **HP.** Strong growing, hardy perennial which thrives in any location.

2735 **Fraseri.** A dwarfer type than Purpureum growing about 2 feet high and forming clusters of snow white flowers; fine for bouquets. **Pkt. 10 cts., ¼ oz. $1.00.**

2736 **Purpureum.** Showy flower heads of purple, blooming in late summer. Height 3 to 5 feet. **Pkt. 15 cts., ¼ oz. 75 cts.**

2740 **EUPHORBIA heterophylla** (Annual Poinsetta) **HA.** A striking annual with glossy green foliage which changes to a beautiful orange-scarlet about midsummer. Height 2 to 3 feet. **Pkt. 10 cts., ¼ oz. 30 cts.**

2741 **Variegata** (Snow-on-the-Mountain). **HA.** Robust grower; foliage margined white. 2 feet. **Pkt. 10 cts., ¼ oz. 30 cts.**

EVERLASTINGS

For convenience we have grouped here plants which are grown chiefly for their "everlasting" or "straw" flowers. Some of them are also prized as border plants. The flowers are preserved in their natural colors for winter bouquets by cutting them before they are fully expanded and hanging them, head down, in a dry, shady place until they are thoroughly dry.

2744 **ACROCLINIUM roseum fl.-pl. HA.** Many petaled, double, rose-color flowers. 1 to 1½ ft. **Pkt. 10 cts., ¼ oz. 25 cts.**

2745 **AMMOBIUM alatum grandiflorum. HA.** Double; pure white. 2 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**

GOMPHRENA. HA. Upright-growing plants with showy foliage and small, brightly colored, globe-shaped flowers.

2746 **Red** 2747 **White** 2748 **Mixed**

Each, Pkt. 10 cts., ¼ oz. 25 cts.

HELICHRYSUM (Straw Flower) HA

The best of the Everlastings. Large, very double flowers; fine for cutting.

2750 **Fire Ball.** Crimson-scarlet.
2751 **Golden Ball.** Yellow.
2752 **Rose Queen.** Bright rose.
2753 **Salmon Queen.** Salmon.
2754 **Silver Ball.** White.
2755 **Violet Queen.** Violet.

Each, pkt. 10 cts., ¼ oz. 30 cts.

2759 **COLLECTION.** One pkt. each of the above 6 colors **50 cts.**

2757 **Finest Mixed. Pkt. 10 cts., ¼ oz. 25 cts.**

2760 **RHODANTHE Manglesii. HA.** Neat, slender plants with silvery leaves and dainty pink and white flowers on long, nodding stems. 1½ feet. **Pkt. 10 cts., ¼ oz. 25 cts.**

2761 **XERANTHEMUM annuum. HA.** 2 to 3 feet. Tall semi-double flowers in white, rose, purple and violet. **Pkt. 10 cts., ¼ oz. 25 cts.**

2765 **FEVERFEW, Double. (Matricaria) HHP.** A very free-flowering border plant, bearing masses of little, creamy white flowers. 2 to 3 feet. **Pkt. 10 cts., ¼ oz. 40 cts.**

FOUR-O'CLOCKS. (Marvel of Peru; Mirabilis). HA. Free-blooming from June to September. The flowers open in the afternoon and close the next morning. A very popular flower for beds and borders; always satisfactory no matter how unfavorable the soil or weather may be. Sweet-scented. 2 feet. Very effective beds can be made by planting the separate colors.

2774 **Crimson** 2777 **Yellow**
2775 **Lilac** 2780 **White**
2776 **Rose** 2782 **Mixed**

Each, pkt. 10 cts., oz. 25 cts.

2779 **COLLECTION.** One pkt. each of the above 5 colors **40 cts.**

GAILLARDIA (Blanket Flower)

ANNUAL VARIETIES. Showy and easily grown annuals 1½ feet in height; excellent for the border or cutting. Profuse bloomers in shades of red, yellow, and orange.

2790 **Red and Gold.** Golden yellow and maroon. **Pkt. 10 cts., ¼ oz. 35 cts.**

2791 **Yellow.** Large rich yellow. **Pkt. 10 cts., ¼ oz. 35 cts.**

2792 **Picta, Indian Chief.** Fine rich bronzy red. **Pkt. 10 cts., ¼ oz. 40 cts.**

2794 **Picta, Single Mixed.** Beautiful blending of shades. **Pkt. 10 cts., ¼ oz. 25 cts.**

2795 **Picta, Double Mixed.** Fine mixture of various colors. **Pkt. 10 cts., ¼ oz. 30 cts.**

HARDY PERENNIAL VARIETIES. Bloom from June until frost and are prized for cut flowers and garden display. Will thrive in almost any position and soil. Early sown seed will flower in late July. Height 2 to 2½ feet.

2796 **Portola Hybrids.** In color and size of bloom, these new hybrids are a wonderful development in Gaillardias. Rich shades of bronzy-red with brilliant gold tipped petals. Flowers 3½ inches in diameter. **Pkt. 20 cts., ¼ oz. 75 cts.**

2797 **Grandiflora Coppery Red.** A striking new color. **Pkt. 15 cts., ¼ oz. 50 cts.**

2798 **Grandiflora Mixed.** Large variety of brilliant colors. **Pkt. 10 cts., ¼ oz. 35 cts.**

Perennial Gaillardia

2800 **GERANIUM, Zonale Mixed, HHP. Pkt. 20 cts.**

2802 **GERBERA, Jamesonii Hybrids** (Transvaal Daisy). **HHP.** A very brilliant strain. The flowers come in white and all shades of red and yellow, and are borne on long slender stems well above the foliage. Culture like Geraniums. 2 feet. **Pkt. 25 cts.**

GEUM. HP. Fine plants for the hardy border; easy to grow and thrive on poor soil providing they have plenty of sun.

2805 **Mrs. Bradshaw.** Large, double, bright scarlet flowers; blooms profusely all summer. **Pkt. 15 cts.**

2806 **Lady Stratheden.** Rich golden yellow. **Pkt. 20 cts.**

Godetia Azalea Flowered

2810 **GLOXINIA, Large-flowered Hybrids. TP.** Large, tubular flowers of velvety texture in many brilliant colors; handsome foliage, bronzy green with white veins. Will bloom in six months from sowing. The strain we offer is the finest produced; compact and erect in growth; large-flowering and free-blooming. **Pkt. 50 cts.**

GODETIA (Satin Flower) HA

This charming hardy annual blooms profusely and bears Azalea-like showy flowers of satiny texture in many rich and varied colors. Excellent for the border or as a pot plant for winter decoration.

Single Dwarf Varieties—1 foot.

2815 **Duchess of Albany.** Satiny white.

2816 **Lady Satin Rose.** Satiny sheen on brilliant rose.

2818 **Single Mixed.** Many rich colors.

Each, Pkt. 10c, ¼ oz. 25 cts.

Tall Double Azalea Flowered—2 feet.

2820 **Carmine**
2821 **Crimson**
2822 **Mauve**
2823 **Pink**
2825 **Mixed**

Each, pkt. 10 cts., ¼ oz. 30 cts.

GOURDS, ORNAMENTAL. HHA. Interesting climbers, useful for covering verandas, arbors, etc. They are rapid growers and their fruits are highly ornamental.

2827 **Dipper**
2828 **Dishrag**
2830 **Hercules' Club**
2831 **Nest-Egg**
2832 **Pipe Calabash**
2835 **Mixed**

Each, pkt. 10 cts., oz. 25 cts.

2829 **COLLECTION.** One pkt. each of the above 5 varieties **40 cts.**

GRASSES ORNAMENTAL

Specimen plant, clumps or entire beds of harmonious varieties are always interesting. All are valuable for cutting, and some may be preserved and used in combination with "Everlasting" flowers for winter bouquets and decorations.

2840 **Coix Lacryma-Jobi** (Job's Tears). **HA.** The seeds are strung as beads. 1½ feet. **Pkt. 10 cts.**

2841 **Eragrostis elegans** (Love Grass). **HA.** Nice for bunching with Sweet Peas, etc. 1½ feet. **Pkt. 10 cts.**

2842 **Erianthus ravennae. HP.** Silvery plumes and violet-shaded leaves. 8 to 10 feet. **Pkt. 10 cts.**

2843 **Eulalia zebrina** (Zebra Grass). **HP.** Leaves barred yellowish white. 4 feet. **Pkt. 10 cts.**

2844 **Gynerium argenteum** (Pampas Grass). **HP.** Beautiful, tall silvery plumes. 6 feet. **Pkt. 10 cts.**

2845 **Pennisetum Ruppelii** (Purple Fountain Grass). **HA.** Purple plumes. 2½ feet. **Pkt. 10 cts.**

2846 **Pennisetum villosum** (Longistylum). **HA.** Known as Fountain Grass; greenish white plumes. 2½ ft. **Pkt. 10 cts.**

2849 **COLLECTION.** One pkt. each of the above 7 Grasses **50 cts.**

GREVILLEA ROBUSTA (Silk Oak) TP

2855 A handsome pot-plant of upright growth, with graceful, fernlike foliage. Young plants, 2 to 5 feet high, are prized as window decorations, and are equally useful in protected nooks outdoors. Culture like geraniums. **Pkt. 10 cts., ¼ oz. 30 cts.**

GYPSOPHILA (Baby's Breath)

Annuals and early-flowering perennials, bearing graceful panicles of small flowers that are elegant for cutting and for bunching with other flowers. The annual varieties should be sown in succession to keep up a supply for the season.

2860 **Elegans grandiflora alba. HA.** An improved, large-flowered, white form; the famous Covent Garden strain. Height 18 inches. **Pkt. 10 cts., ¼ oz. 20 cts., oz. 50 cts.**

2861 **Elegans carmine. HA.** Bright carmine rose. **Pkt. 10 cts., ¼ oz. 20 cts., oz. 50 cts.**

2862 **Elegans rosea. HA.** Small, rose-pink flowers. **Pkt. 10 cts., ¼ oz. 20 cts., oz. 50 cts.**

2863 **Muralis. HA.** Charming rock garden or edging variety growing 8 to 10 inches high and covered all season by dainty little rose-pink flowers. **Pkt. 10 cts., ¼ oz. 35 cts.**

2865 **Paniculata. HP.** Flowers the first season if sown early. Equally desirable as a border plant and for cutting. 3 feet. **Pkt. 10 cts., ¼ oz. 30 cts., ½ oz. 50c.**

2866 **Paniculata fl.-pl. HP.** A goodly proportion of the plants will produce exquisite, little, double, white flowers. **Pkt. 25 cts., 1/16 oz. 60 cts.**

HELIOTROPE (Cherry Pie) HHP

The delightful fragrance of this half-hardy perennial makes it much desired for both the garden and for cutting. Start the seed early indoors for summer blooming; can be sown outdoors in May.

2885 **Black King.** Of compact growth, with very dark stems and foliage and deep purple flowers. A fine bedding variety. **Pkt. 15 cts., ⅛ oz. 60 cts.**

2886 **White Lady.** Flowers white. **Pkt. 15 cts., ⅛ oz. 60 cts.**

2887 **Lemoine's Giant Hybrids.** Tall and strong-growing with large flowers in white and shades of blue and violet. Very free-blooming. **Pkt. 15 cts., ⅛ oz. 50 cts.**

Giant Heliotrope

HELIANTHUS (Sunflower) HA

The larger forms are useful for massive, subtropical effects, while the more dwarf, small-flowered varieties of the Cucumerifolius type are good for cutting, yielding quantities of showy, long-stemmed flowers from July until frost. They do best on a fairly rich soil.

2875 **Cucumerifolius, Miniature.** Bushy plants, 3 feet tall, producing many bright orange, single flowers. **Pkt. 10 cts., ¼ oz. 25 cts.**

2876 **Cucumerifolius, Stella.** Single; golden with black disc. **Pkt. 10 cts., ¼ oz. 25 cts.**

2877 **Cucumerifolius, Double Hybrids. Pkt. 10 cts., ¼ oz. 25 cts.**

2878 **Double Chrysanthemum-flowered.** Large, bright golden yellow flowers, resembling Chrysanthemums, borne in profusion on strong plants, 6 to 8 feet tall. **Pkt. 10 cts., ¼ oz. 25 cts.**

2880 **New Red Sunflower.** Large, single flowers in many shades of red and combinations of red and yellow, all very showy and attractive. 5 to 7 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**

2882 **Single Mixed. Pkt. 10 cts., ¼ oz. 25 cts.**

PERENNIAL SUNFLOWERS. HP. Splendid background plants for the hardy border. Seed sown early will produce flowering plants the first season.

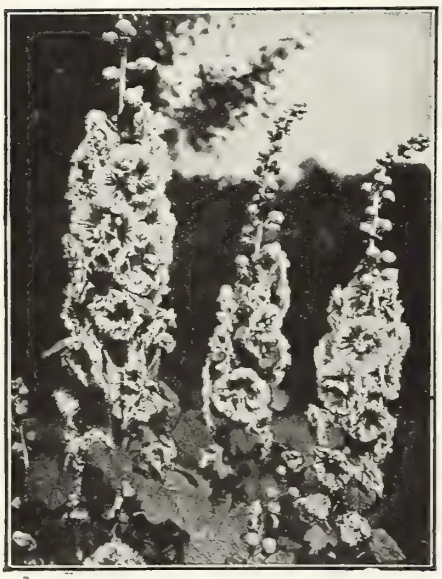
2883 **Many Varieties Mixed.** Medium-sized flowers; shades of yellow. **Pkt. 15 cts.**

HELENIUM (Sneezewort) HP

Free blooming hardy perennials that thrive in any soil; bloom in late summer and fall. Height 3 to 5 feet.

2870 **Autumnale Superbum.** Golden yellow. **Pkt. 10 cts., ⅛ oz. 50 cts.**

2871 **Riverton Gem.** Wallflower-red, dark center. **Pkt. 10 cts., ⅛ oz. 50 cts.**



New Triumph Double Hollyhock

HEUCHERA (Coral Bells) HP

Compact bushy plants with heavy foliage from which arises the graceful flower spikes covered with pendant bell shaped flowers. Blooms during July and August.

2890 **Sanguinea.** Rich, bright coral-red. **Pkt. 25 cts.**

2891 **Sanguinea Hybrids (New).** Colors from white to glowing crimson. **Pkt. 25c.**

HIBISCUS (Marshmallow) HP

Strong, bushy plants with large flowers like single Hollyhocks. They do best in a rather moist situation and will last for years when once established. Bloom in late summer.

2895 **Crimson Eye.** Large, pure white flowers with velvety crimson centers. 4 feet tall. **Pkt. 10 cts., ¼ oz. 40 cts.**

2896 **Giant Rainbow Hybrids.** Flowers often 8 inches in diameter, ranging in color from white to deep red, some with dark centers and some in solid colors. The soft pink and rose shades are particularly attractive. **Pkt. 10 cts., ¼ oz. 40 cts.**

HOLLYHOCKS HB

2900 **NEW DOUBLE EXQUISITE.** Flowers very double, each petal exquisitely curled and fringed, with a broad margin of white, the centers being shades of rose, carmine, purple, and violet. In form they suggest the beautiful double fringed petunias while in color they resemble the Pelargoniums. Lovers of Hollyhocks will welcome this magnificent new type. **Pkt. 25 cts., ⅛ oz. 75 cts.**

2901 **NEW DOUBLE TRIUMPH.** Grows 4 to 5 feet high, is of branching habit with waved and fringed flowers in a great variety of colors, including crimson, scarlet, carmine, rose, flesh, white, cream, yellow, lilac, violet, and purple. Blooms 10 days ahead of ordinary Hollyhocks. **Pkt. 25 cts., ⅛ oz. 75 cts.**

CHATER'S SUPERB DOUBLE

2902 **Maroon**	2904 **Rose-Pink**	2906 **Sulphur-Yellow**
2903 **Newport Pink**	2905 **Scarlet**	2907 **White**
	2910 **Superb Mixed**	

Each, pkt. 10 cts., ¼ oz. 60 cts.

2909 **COLLECTION. One pkt. each of the above 6 colors 50 cts.**

2911—**Single Mixed.** Choice assortment of all colors. **Pkt. 10 cts., ¼ oz. 25 cts.**

2912 **Allegheny Fringed Mixed.** Single and semi-double mammoth flowers with petals beautifully fringed. **Pkt. 10 cts., ¼ oz. 35 cts.**

Hunnemannia

HUMULUS (Japanese Hop). **HHA.** Did you ever wish for a rapid climber which would quickly shade a sunny porch or hide an unsightly view? Humulus will do all this in record time. Sown end of May, it will **within four to six weeks,** climb 10 to 15 feet, covering arbor or trellis with dense, highly ornamental foliage, followed by clusters of white flowers.

2915 **Japonicus.** Growing to 30 feet in season. **Pkt. 10 cts., ¼ oz. 30 cts., ½ oz. 50 cts.**

2916 **Japonicus variegatus.** Foliage variegated with creamy white on deep green. Matures in one season. **Pkt. 10 cts., ¼ oz. 30 cts., ½ oz. 50 cts.**

2920 **HUNNEMANNIA fumariæfolia** (Giant Yellow Tulip Poppy). **HA.** A member of the Poppy family deserving increased attention. Sown early in May, it will quickly grow bushy plants, about 1½ feet tall, with finely feathered foliage and large, buttercup-like, bright yellow flowers, which average 3 inches across, borne on 12-inch stems, from July until frost. Hunnemannia is by far the best of the Poppy family for cutting. **Pkt. 10 cts., ¼ oz. 25 cts.**

IMPATIENS. TP. Charming plants for the house or conservatory, requiring no special treatment, growing quickly and blooming continuously.

2922 **Holstii Hybrids.** A remarkable strain, of great vigor, splendid for pot-culture. Compact plants about 1 foot high and 1 foot in diameter, with glossy green foliage and a profusion of bright flowers in fine mixture. **Pkt. 25 cts.**

2923 **Sultani.** A strong grower, 1½ to 2 feet tall, bearing continuously brilliant, rosy scarlet blossoms, which contrast in striking manner with the bright green foliage. A rare and beautiful house-plant. **Pkt. 25 cts.**

2925 **KOCHIA tricophylla** (Burning Bush; Summer Cypress). **HHA.** Handsome, symmetrical plants, forming beautiful specimens, and growing 3 feet tall in three months. Wherever a quick-growing, annual hedge is wanted there is nothing better than Kochia. **Pkt. 10 cts., ¼ oz. 25 cts.**

2927 **KUDZU VINE. HP.** A Japanese climbing vine with large leaves and fragrant, wistaria-like flowers; perhaps the strongest growing and most vigorous of all the climbers. It will climb 25 to 30 feet in a season, freezing down each winter but coming up from the roots again in the spring. **Pkt. 10 cts., ¼ oz. 30 cts.**

USE TO-NA-CIDE
To Sterilize the Soil
5-lb. Carton $1.50

LANTANA hybrida. HHP. Handsome bedding plants and beautiful for pots. The seed should be started indoors very early in the spring. Produces verbena-like clusters of pink, orange and red flowers.

2930 **Dwarf Compact Mixed.** A new and improved strain. **Pkt. 15 cts., ¼ oz. 50 cts.**

2931 **Tall Mixed.** 2 feet. **Pkt. 10 cts., ¼ oz. 30 cts., ½ oz. 50 cts.**

LARKSPUR (Annual Delphinium) HA

Tall, showy plants, blooming freely during the summer months. The flowers are very bright and attractive, mainly in shades of blue, rose, violet, and white; durable and elegant for cutting. The seedlings should be thinned out early to stand at least a foot apart, to secure the fine branching habit now characteristic of most of the strains we offer.

NEW GIANT IMPERIAL VARIETIES. Tall upright, basal branching in habit, the Giant Imperial strain is a decided improvement over other types of Larkspur for both general garden use and cutting. The Delphinium-like spikes of double flowers which branch from the base of the plant are 3 to 4 feet long, making them ideal for cutting.

2935 **Blue Spire.** Intense deep Oxford blue.
2936 **Carmine King.** Deep carmine-rose.
2937 **Gloria.** Rich deep rose.
2938 **Lilac Spire.** Beautiful lilac.
2940 **Peach Blossom.** Clear, light pink.
2941 **White Spire.** Dazzling pure white.
2943 **Imperial Mixed.** All colors.

Each, pkt. 20 cts., ¼ oz. 75 cts.

2939 **COLLECTION.** One pkt. each of the above 6 varieties **$1.00**.

TALL DOUBLE STOCK-FLOWERED VARIETIES. These are favorite varieties for cutting and for tall borders. They grow 3 feet high and produce many candelabra-like trusses of beautiful flowers. Vigorous, early and free-blooming.

2951 **Exquisite.** A new and most desirable color in this useful class. Exquisite, clear, light rose-pink. It will undoubtedly be in great demand for cut-flowers. **Pkt. 10 cts., ¼ oz. 50 cts.**

2952 **La France.** Clear Salmon Pink. Plants of upright growth, free flowering, ideal cut flowers. **Pkt. 15 cts., ¼ oz. 50 cts.**

2947 **Carmine** 2948 **Dark Blue** 2950 **Deep Rose**
2953 **Lilac** 2954 **Shell-Pink** 2955 **Sky-Blue** 2956 **White** 2958 **Mixed**

Each, pkt. 10 cts., ¼ oz. 25 cts.

2960 **LATHYRUS latifolius** (Hardy Sweet Pea). **HP.** A showy climber with flowers much like the annual sweet pea, but without fragrance. Suitable for low trellises and screens; bloom all summer. **Pkt. 10 cts., ¼ oz. 25 cts.**

LAVATERA splendens (Improved Annual Mallow). **HHA.** Beautiful and showy bushy plants, 2 feet tall; cup-shaped flowers in profusion all summer. Sow the seed in May and thin the plants out to stand a foot apart.

2962 **Bright Rose.** 2963 **Pure White. Each, pkt. 10 cts., ¼ oz. 25 cts.**

Annual Larkspur

2965 **LEPTOSIPHON, French Hybrids. HA.** Low-growing, with upright clusters of bright, little flowers. Scarlet, purple, yellow and white. For edging and rock-work. 8 inches. **Pkt. 10 cts.**

2967 **LINARIA Cymbalaria** (Kenilworth Ivy). **HHP.** A very graceful creeper or climber with glossy, ivy-like foliage. Dainty flowers in shades of lilac, rose, and white. Most attractive for boxes, baskets, etc. **Pkt. 15 cts.**

2968 **Moroccana Hybrids. HA.** Easily grown hardy annuals with small spikes resembling miniature Snapdragons; brilliant assortment of colors. 12 inches. **Pkt. 15 cts., ¼ oz. 40 cts.**

2970 **LINUM, Grandiflorum** (Crimson Flax). **HA.** Showy annual bedding plants 15 inches high with brilliant, glossy red flowers on delicate stems. **Pkt. 10 cts., ¼ oz. 25 cts.**

Perenne (Perennial Flax) HP. Graceful feathery-like plants which flower profusely from May to August; 18 to 24 inches high.

2971 **Perenne Blue** 2972 **Perenne White**
Each, Pkt. 10 cts., ¼ oz. 30 cts.

LOBELIA HHA

Elegant little plants; profuse bloomers, valuable for edging and low beds and extensively grown in pots and baskets. For best effect, they should be grown in rich soil and the seed started very early.

2975 **Compacta, Crystal Palace.** Erect and very free-blooming. Rich azure-blue flowers; dark green foliage. 6 inches. **Pkt. 15 cts., ⅛ oz. 50 cts.**

2976 **Compacta, Emperor William.** Dark blue. **Pkt. 15 cts.**

2978 **Compacta, Mixed.** The Compacta varieties are the best bedders. 6 inches. **Pkt. 10 cts., ¼ oz. 50 cts.**

2980 **Gracilis, Blue.** Light blue flowers; bright green foliage; trailing. **Pkt. 10 cts., ⅛ oz. 50 cts.**

2981 **Perennial Lobelia, Cardinalis** (Cardinal Flower) **HP.** Fine hardy border plant with brilliant spikes of flaming scarlet. Blooms from July to late September. 3 feet. **Pkt. 25 cts., ⅛ oz. $1.00**

LUNARIA (Honesty) **HB.** Fine for cut flowers, seed pods used for winter decoration.

2985 **White. Pkt. 10 cts., ¼ oz. 30 cts.**

LUPINUS (Lupine, Sun-Dials)

Old-fashioned favorites that thrive in almost any situation, though they bloom best and live longest on a "sweet" or limestone soil. The perennial varieties make splendid borders while the annual sorts are good bedders, and both furnish fine material for bouquets. Do not transplant.

Annual Varieties, Hartweigii. HA

Vigorous growers with large spikes of showy flowers, blooming from June until September. These Lupines are popular with the florists for cutting. 2 feet.

2987 **Dark Blue** 2988 **Rose** 2990 **Sky Blue**
2991 **White** 2993 **Mixed**
Each, pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

Perennial Varieties, Polyphyllus. HP.

Long spikes of pea-shaped blossoms, in spring and early summer. 3 feet.

2994 **Blue** 2995 **Bright Rose** 2996 **Yellow**
2997 **White** 2998 **Mixed**
Each, pkt. 10 cts., ¼ oz. 25 cts., ½ oz. 40 cts.

LYCHNIS HP. Bright flowers for the perennial border, easy to grow and thriving in poor soil. The petals are arranged in the form of a Maltese Cross.

3000 **Chalcedonica** (Jerusalem Cross). Erect-growing, 2 to 3 feet tall, with clusters of flaming vermilion flowers at the top. **Pkt. 10 cts., ¼ oz. 25 cts.**

3001 **Haageana Hybrids.** A form with very large flowers, nearly 2 inches across. Many shades of red. 1 foot tall. **Pkt. 15 cts., ⅛ oz. 50 cts.**

MIGNONETTE HA

A general favorite; indispensable for its delightful fragrance. Mignonette prefers a medium light, loamy soil, with only a moderate amount of moisture. The improved varieties we offer grow about 15 inches high and have large, erect, compact flower-trusses.

3030 **Defiance.** Long spikes of grayish white florets; one of the best for cutting. **Pkt. 10 cts., ¼ oz. 30 cts.**

3031 **Giant Crimson,** or **Goliath.** Large, uniform trusses of deep red flowers; fine for forcing as well as outdoors. **Pkt. 15 cts., ¼ oz. 50 cts.**

3032 **Giant Machet.** An extra-select, mammoth-flowering strain of the popular Machet variety. Florets reddish green. **Pkt. 10 cts., ¼ oz. 30 cts.**

3033 **Giant White Pearl.** Long, broad trusses of white blossoms. The finest white variety. **Pkt. 15 cts., ¼ oz. 50 cts.**

3034 **Old-fashioned Sweet-scented.** Dwarf, with many small spikes of extremely fragrant blossoms. **Pkt. 10 cts., ¼ oz. 20 cts.**

3029 **COLLECTION.** One pkt. each of the above 5 sorts **40 cts.**

French Gold Striped Marigold

MARIGOLD—TALL AFRICAN HA

3005 **NEW MARIGOLD GUINEA GOLD.** A distinct type of graceful, pyramidal habit, growing 2 to 2½ feet high, and producing flowers 2 to 2½ inches across, of a brilliant orange with double ruffled, loose-leaf petals. This variety has been accepted as a valued cut flower. **Pkt. 20 cts., ¼ oz. 75 cts.**

Illustrated in Natural Color on Front Cover

3006 **LEMON. All double.** A new strain of African Marigold which our growers have developed and which comes in a very high percentage of large, closely quilled, double heads, and a small percentage of loosely formed heads which are equally beautiful and useful for cutting. **Pkt. 20 cts., ¼ oz. 75 cts.**

3007 **ORANGE, All double.** The darker form of the preceding variety. Height 2½ feet. **Pkt. 20 cts., ¼ oz. 75 cts.**

3008 **Lemon Queen.** Soft lemon-yellow. **Pkt. 10 cts., ¼ oz. 50 cts.**

3010 **Orange Prince.** Deep golden orange. **Pkt. 10 cts., ¼ oz. 50 cts.**

3012 **Double African Mixed. Pkt. 10 cts., ¼ oz. 50 cts.**

Marigold—Dwarf French

3015 **Golden Ball.** Pure golden yellow double flowers of good size. **Pkt. 10 cts., ¼ oz. 30 cts.**

3016 **Gold Striped.** Double flowers, golden yellow striped mahogany-red. **Pkt. 10 cts., ¼ oz. 30 cts.**

3017 **Double French Mixed. Pkt. 10 cts., ¼ oz. 25 cts.**

3020 **Legion of Honor** (Little Brownie). A charming single flowering Marigold forming compact bushes 9 inches high. Flowers bright yellow, blotched with brown. **Pkt. 10 cts., ¼ oz. 30 cts.**

3021 **Signati Pumila (Tagetes).** Dwarf, compact and bushy growing 9 inches high and splendid for edging; covered with flowers of brilliant golden-yellow. **Pkt. 10 cts., ¼ oz. 50 cts.**

MORNING-GLORIES HHA

THE JAPANESE MORNING-GLORIES. Remarkable for the brilliant colors of the flowers as well as for the form and variation of the foliage. The flowers come in all conceivable shades of red and blue, including lilac, mauve and gray, cerise, wine-red, purple, creamy brown, and chocolate, many of them margined or mottled and striped. The seed should be started indoors in March or sown outdoors in late May. Soaking the seed before planting is advisable.

3055 **Imperial Japanese Giants, Mixed.** In many colors. **Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.**

3056 **Dwarf Mixed (Convolvulus minor).** Showy in beds and borders and on rockwork, thriving in any sunny location. Bright colors. 1 foot. **Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts.**

3057 **Tall Mixed (Ipomœa purpurea).** The Common Morning-Glory. Always satisfactory, thriving in any soil. All shades of blue, pink and red in finest mixture. **Pkt. 10 cts., oz. 25 cts.**

3058 **Brazilian (Ipomœa setosa).** An extremely rapid grower with leaves often measuring 10 inches across. The large flowers appear in late summer and are deep rose with a five-pointed star of satiny pink. **Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.**

The Ever-Popular Morning Glories

MOONFLOWERS TA

Quick-growing climbers with dense, dark green foliage and immense flowers that open in late afternoon and close when the morning sun appears. The vines will reach a height of 20 feet or more and bear hundreds of great salver-shaped blossoms from late August until October. It is best to start the seed in pots indoors about March 15 and transplant to the open ground in mid-May, although the seed may be sown outdoors after the soil is warm and the trees well out in leaf. Notch the seed with a file and soak it for twenty-four hours in lukewarm water before planting.

3050 **Black-seeded.** Hardier and blooms earlier than the white-seeded form, but the flowers are not quite so large. **Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.**

3051 **White-seeded.** Flowers white, often 6 inches across. **Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.**

3052 **Heavenly-Blue.** Lovely sky-blue flowers, white in the center and shading to rose at the margin, 4 to 5 inches across and produced in the greatest profusion. May also be grown in pots and is fine for cutting. **Pkt. 15 cts., ¼ oz. 40 cts.**

3025 **MAURANDIA MIXED. HHP.** Slender growing climber fine for conservatory and greenhouse, flowering first season, plant early. **Pkt. 15 cts.**

MESEMBRYANTHEMUM. HHA. Interesting, low-growing plants with ornamental foliage. They prefer a sunny situation.

3027 **Crystallinum** (Ice Plant). Fleshy leaves covered with ice-like globules; small white flowers. **Pkt. 10 cts, ¼ oz. 25 cts.**

3028 **Tricolor** (Wax Plant). Flowers crimson, pink, and white. **Pkt. 10 cts., ¼ oz. 50 cts.**

3036 **MIMOSA pudica. TA.** The interesting Sensitive Plant, the leaves of which fold as soon as touched. A neat ornamental plant for the house. 1 to 2 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**

3044 **MINA lobata. HP.** A vigorous, showy climber with flowers borne in twin sprays. The buds are bright red; full flowers pale yellow. **Pkt. 10 cts.**

3040 **MIMULUS moschatus** (Musk Plant). **HHP.** A nice plant for pots or hanging-baskets; small, yellow flowers and fragrant foliage. **Pkt. 15 cts.**

3041 **Tigrinus Grand. Sgl. Mixed.** Fine mixture of spotted varieties. **Pkt. 10 cts.**

MOMORDICA. HHA. Ornamental vines. 10 feet.

3046 **Balsamina** (Balsam Apple). Small, yellowish flowers followed by apple-shaped, golden yellow warty fruits. **Pkt. 10 cts., 1 oz. 50 cts.**

3047 **Charantia** (Balsam Pear). Pear-shape fruits; glossy green foliage. **Pkt. 10 cts., 1 oz. 50 cts.**

3060 **MUSA Ensete** (Abyssinian Banana). **TP.** A large and showy, subtropical foliage plant. Seeds sown in the hothouse will produce fine plants for tubs, or large pots the first season. **Pkt. (10 seeds) 25 cts., (25 seeds) 40 cts., (100 seeds) $1.25.**

Myosotis palustris

MYOSOTIS (Forget-Me-Not)

Lovely little plants for moist and shady situations. The seed should be sown in late spring or early summer for blooming the following season. The Alpestris varieties come into bloom in April and are not hardy; Palustris type bloom continuously from May until frost and are hardy.

Alpestris Varieties. HHP. Dwarf, compact and much branched with dainty blooms of blue, rose and white. Best treated as an annual or wintered-over in cold frames. Height 6 to 10 inches.

3065 **Alba** 3066 **Rosea** 3067 **Royal Blue** 3068 **Mixed**
Each, pkt. 10 cts., ¼ oz. 50 cts.

3070 **Victoria.** Large, clear azure blue, 6 inches. **Pkt. 15 cts., ¼ oz. 75 cts.**

3071 **Ruth Fischer.** Dwarf and compact with large deep blue flowers. The best variety for pot culture and spring bedding. **Pkt. 25 cts.**

3072 **Palustris. HP.** The true "Forget-me-not." Dainty sprays of bright blue flowers blooming over a long season. **Pkt. 10 cts., ¼ oz. $1.00.**

BECKERT'S RELIABLE LAWN MIXTURES

"Special" Mixture **Evergreen Mixture** **Shady-Nook Mixture**
See Prices on Page 3

Nasturtium Golden Gleam

BECKERT'S SUPERB NASTURTIUMS

Few garden annuals respond with as little care as the Nasturtium. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, they are unexcelled. All they need is a moderately good soil, in a well-drained, sunny position, and from within a few weeks from the time they are sown until hard frost comes, there is an endless profusion of their gorgeous blossoms. The varieties offered below were selected from a very large number of sorts as being the best and most distinct.

3075 NASTURTIUM GOLDEN GLEAM NEW DOUBLE SWEET-SCENTED

One of the recent outstanding novelties. The plant forms a vigorous, large bush which throws out short runners averaging 18 inches. The flowers commence to come as soon as the plant nears complete development, and at the time it is in full bloom, the entire plant including the runners is a blaze of color.

The large, golden yellow flowers average 2½ to 3 inches across and are borne on erect, stiff stems 6 inches long. Consequently, the flowers stand well above the foliage, an arrangement which adds immeasurably to the showy appearance of the plants.

This distinct novelty will be welcomed by expert gardeners as a delightful addition to the Nasturtium family as a cut-flower on account of its glorious color and delightful fragrance. **Pkt. 15 cts., oz. 75 cts., ¼ lb. $2.50.**

Large-Flowered Dwarf Nasturtiums

Of dwarf compact growth; excellent for borders or for bedding. Free blooming from June until frost. Plants about 1 foot high.

3080 **Chameleon.** Combination of red and yellow flowers.
3081 **Cloth of Gold.** Bright scarlet, golden foliage.
3082 **Empress of India.** Deep scarlet, dark leaved.
3083 **Golden Queen.** Deep yellow.
3084 **The Pearl.** Creamy white.
3085 **Vesuvius.** Fine salmon-rose.
Each, pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.
3089 **COLLECTION.** One pkt. each of the above 6 colors **50 cts.**
3087 **Dwarf Superb Mixed. Pkt. 10 cts., oz. 15 cts., ¼ lb. 50 cts., lb. $1.50.**

Large-Flowered Tall Nasturtiums

Will cover walls, trellises, fences, etc. in a short time; free blooming from summer until frost. Seed pods, if gathered when green and tender, are useful for pickling; 6 to 10 feet.

3090 **Cloth of Gold.** Fiery red, golden foliage.
3091 **Golden Queen.** Sunflower yellow.
3092 **Pearl.** Creamy white.
3093 **Salmon-Rose.** Exquisite salmony rose.
3094 **Spitfire.** Soft rosy scarlet.
3095 **Sunlight.** Glowing orange.
Each, pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.
3099 **COLLECTION.** One pkt. each of the above 6 colors **50 cts.**
3097 **Tall Superb Mixed. Pkt. 10 cts., oz. 15 cts., ¼ lb. 50 cts., lb. $1.50.**

Beckert's Giant-Flowering Pansy

BECKERT'S SUPERB PANSIES HHP

Best results are obtained by sowing the seed in July or August and carrying the young plants over the winter in cold-frames or in a sheltered spot in the garden, protected by a deep covering of straw or leaves. These plants will bear flowers early the next spring and continue throughout the season. The seed may also be sown in late April and the plants from this sowing will commence to bloom in late June. Full-blown flowers should be removed every few days to prevent their going to seed. Do not spare the hose during hot spells.

GIANT PANSIES IN MIXTURES

3130 **BECKERT'S SUPERB MIXTURE of Giant-Flowering Exhibition Pansies.** A blending of our own containing only the very choicest secured from the leading Pansy specialists; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. **Pkt. 50 cts., ⅛ oz. $1.75, oz. $10.00.**

3131 **Englemann's Special Mixture.** Strain is of the old Scottish Show type, reselected to a strong vigorous type in which the blooms are of gigantic size measuring 3 to 4 inches across. The flowers are mostly bronze and reddish shades with some yellow edged ones; plants are compact and early flowering. **Pkt. 75 cts., 3 pkts. $2.00.**

3132 **CASSIER'S GIANTS.** A splendid mixture of large round flowers in the brightest colors; marked with a distinct blotch on the base of each petal. **Pkt. 25 cts., ⅛ oz. $1.00.**

3133 **MASTERPIECE.** Each petal is elegantly frilled or curled. The flowers are quite large and rich in mauve, red, and velvety brown shades. **Pkt. 25 cts., ⅛ oz. $1.00.**

3134 **MME. PERRET.** A famous French strain. Flowers are of large size in the wine shades. **Pkt. 25 cts., ⅛ oz. $1.00.**

3135 **GIANT TRIMARDEAU.** Produces flowers of giant size with round overlapping petals. Plants are vigorous and free blooming, compact, and excellent bedders. **Pkt. 10 cts., ¼ oz. 75 cts.**

SWISS GIANT PANSIES

SWISS GIANTS. This strain represents years of painstaking work on the part of Pansy breeders. It is the very cream of Giant Pansies producing flowers of magnificent size and form in rare colors, with some shades previously unknown in Pansies.

3136 **Alpenglow.** Striking and attractive shades of cardinal and garnet.

3137 **Lake of Thun (Ullswater).** An exquisite ultra-marine blue with a darker blue blotch on the petals.

3138 **Rhinegold.** Gigantic golden-yellow with rich deep brown blotches.

Each, pkt. 50 cts., ⅛ oz. $1.75

3140 **Swiss Giant Mixed.** A wonderful range of colors. **Pkt. 35 cts., ⅛ oz. $1.50.**

GIANT PANSIES—SEPARATE COLORS

This beautiful class produces flowers of giant size with round, overlapping petals. The plants are vigorous and free-blooming, compact in growth and of ideal bedding habit.

3150 **Azure Blue.** Violet blue.

3151 **Black King.** Shining black.

3152 **Cardinal.** Rich cardinal red.

3153 **Golden Queen.** Pure bright yellow.

3154 **Lord Beaconsfield.** Violet, shading to white on upper petals.

3155 **Royal Purple.** Dark, velvety purple.

3156 **Snow Queen.** Pure, satiny white.

Each, pkt. 10 cts., ¼ oz. $1.00

3159 **COLLECTION.** 1 pkt. each of the above 7 varieties **60 cts.**

VIOLA or TUFTED PANSIES

The flowers of the Tufted Pansies are smaller than the regular Pansies, but as they bloom so profusely, they are preferred to regular Pansies where color, bedding effect and long blooming season is desired.

3160 **Apricot.** A recent introduction. Beautiful rich apricot yellow, tinged orange. **Pkt. 25 cts.**

3161 **Blue Perfection.** Deep rich blue. **Pkt. 15 cts., ¼ oz. 75 cts.**

3162 **Jersey Gem.** Pure rich violet, remarkable free bloomer. Plants are sturdy, compact and possess remarkable drought resistance. **Pkt. 25 cts.**

3163 **Lutea Splendens.** Rich golden yellow. **Pkt. 15 cts., ¼ oz. 75 cts.**

3164 **White Perfection.** Pure white. **Pkt. 15 cts., ¼ oz. 75 cts.**

3166 **Cornuta Mixed.** A splendid mixture. **Pkt. 15 cts., ¼ oz. 60 cts.**

3170 **VIOLET (Viola Odorata).** Single, fragrant Violet. Hardy and free blooming. **Pkt. 25 cts.**

WINTER FLOWERING PANSIES

Similar to the Trimardeau Giants in size and form but they commence to bloom very early when other varieties are still dormant. From seed sown the previous August they will often bloom before the late spring snows have melted away.

3171 **Ice King.** Silvery white.

3172 **March Beauty.** Velvety dark blue.

3173 **Winter Sun.** Golden yellow.

Each, pkt. 15 cts., ⅛ oz. 50 cts.

Beckert's Choice Petunias

NEMESIA Strumosa Suttoni. HHA. Bushy Plants, 8 to 12 inches high, with top clusters of large flowers somewhat resembling snapdragons..

3105 **Blue** 3106 **Orange** 3107 **Rose** 3108 **Mixed**

Each pkt. 15 cts., ⅛ oz. $1.25

3110 **NEMOPHILA, Mixed. HA.** Dwarf annuals of easy culture. Pretty cup shaped flowers in blue and white. Height 1 foot. **Pkt. 10 cts., ¼ oz. 40 cts.**

NICOTIANA (Sweet-Flowering Tobacco) HHA

Beautiful border plants, sometimes used for pots and boxes, easy to grow from seed. They do best on deep, loamy soil and in a sheltered situation. It is advisable to start the seed indoors, although both late spring and fall sowings give good results.

3112 **Affinis.** The best known variety; in full flower every sunny day from June until cut down by frost. Clusters of trumpet-shaped white flowers on tall stems above the luxuriant foliage. 2½ to 3½ feet. **Pkt. 10 cts., ¼ oz. 30 cts.**

3113 **Affinis Hybrids.** Like Affinis but with larger flowers, coming in shades of pink and white. **Pkt. 10 cts., ¼ oz. 30 cts.**

3114 **Sanderae Hybrids.** A splendid strain; large flowers; white, pink, lavender, blood-red and purple.

3115 **Sylvestris.** A free-blooming, white-flowered variety with particularly attractive foliage. Height 3 feet.

Each, pkt. 10 cts., ¼ oz. 30 cts.

3117 **NIEREMBERGIA frutescens** (Cup Flower). **HHP.** Very pretty border plants, blooming all summer from seed sown indoors in early spring; also nice for pots. Bushy growth; feather foliage; flowers in white and shades of pink and lavender, with yellow centers, 2 to 3 feet. **Pkt. 10 cts., ¼ oz. 50 cts.**

3120 **NIGELLA Damascena Mixed** (Love in a Mist). **HA.** Interesting flowers, elegant for cutting. The seed-pods of some are curiously horned and the black seeds are aromatic. Easy to grow, blooming all summer. 18 inches. Shades of blue and white. **Pkt. 10 cts., ¼ oz. 25 cts.**

3121 **Miss Jekyll.** Double cornflower; blue flowers with feathery green foliage. Height 2 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**

3125 **ŒNOTHERA Missouriensis** (Evening Primrose). **HP.** Hardy perennials of easy culture with large, fragrant yellow blooms, adaptable either to the border or rockery. **Pkt. 20 cts.**

PENTSTEMON (Beard Tongue). **HP.** Splendid plants for the hardy border, very showy in clumps. They prefer a sunny situation and rich, deep soil.

3180 **Glaber.** Pretty plants for the hardy border, growing 1½ to 2 feet high. Bright blue flowers growing in close clusters. **Pkt. 15 cts.**

3181 **Sensation.** A hybrid strain, with giant, gloxinia-like flowers, ranging in color from pink to scarlet and maroon, variously striped and blotched with other colors. Very free-blooming, from mid-summer until frost. 2 feet. **Pkt. 15 cts.**

PETUNIAS HA

Wonderfully vigorous and free-flowering, thriving on any soil and in the hottest weather, few flowers are so generally satisfactory in our trying climate as the Petunias. Ingenious hybridizing has multiplied this family into many diverse forms. Single and double-flowering plain or fringed petals, tall or dwarf growth may all be had remarkably true from seed. Petunias are valuable for bedding, baskets and window boxes. The seed may be started indoors in February or March or sown in the open in early May.

GIANT FLOWERING PETUNIAS

3190 **Giants of California.** The flowers are of immense size, fringed and ruffled with attractive deep throats. Wide assortment of brilliant colors. **Pkt. 35 cts., 3 pkt. $1.00.**

3191 **Dwarf Giants of California.** A dwarf strain of the well-known Giants of California. Excellent for pot culture and bedding. Flowers beautifully ruffled and fringed. **Pkt. 35 cts., 3 pkt. $1.00.**

3192 **Giant Double Marvelous.** Elegantly formed fringed blooms of the largest size. An unexcelled mixture producing a large percentage of doubles. **Pkt. 50 cts.**

3193 **Beckert's Large Flowering Fringed.** Beautiful, velvety large sized fringed blooms in a wide assortment of colors. **Pkt. 25 cts.**

3194 **Theodosia.** Large fringed rosy pink with a clear golden center. **Pkt. 35 cts.**

3195 **Purple Prince** (Plain edge). Deep velvety purple blooms of large size. **Pkt. 25 cts.**

3196 **Scarlet Beauty.** Large fringed scarlet shading to rose in the throat. **Pkt. 25 cts.**

3197 **White Beauty.** Large frilled white with attractive throat markings. **Pkt. 25 cts.**

SINGLE BEDDING PETUNIAS

3200 **Dwarf Inimitable.** Flowers in many shades of deep rose, red and maroon, striped and blotched with white and pink. Fine for edging.

3201 **Howard's Star.** Deep red flowers, each marked with a large and distinct star of white or bluish pink.

3202 **Rose of Heaven.** Brilliant rich rose colored flowers.

3203 **Rosy Morn.** A very bright and lovely shade of rose, lighter in the throat; remarkably free-blooming.

3204 **Snowball.** Lovely pure white flowers that completely cover the plant.

3205 **Violacea.** Rich velvety violet blue.

Each of the above, pkt. 10 cts., ⅛ oz. 60 cts.

3209 **COLLECTION.** One pkt. each of the above 6 varieties **50 cts.**

3208 **Deluxe Bedding Mixed.** An excellent bedding mixture. **Pkt. 10 cts., ¼ oz. 50 cts.**

BALCONY PETUNIAS

These varieties have become very popular within the last few years. They are free-blooming, trailing in growth, with large flowers. Particularly suited for hanging-baskets, porch-boxes, etc., and showy in beds.

3211 **Balcony Blue** (Violet Queen). An outstanding variety, with large flowers of a beautiful, clear violet-blue color. **Pkt. 20 cts., ⅛ oz. $1.00.**

3212 **Crimson** 3213 **Rose** 3214 **White** 3216 **Mixed**

Each, pkt. 15 cts., ⅛ oz. 75 cts.

3219 **COLLECTION.** One pkt. each of the above 4 colors **50 cts.**

PHLOX (Flame Flower)

A very beautiful and useful family. The annual sorts make brilliant beds while the perennials are great favorites for the border. To secure the best results, they should be sown in well-drained soil and thinned out at an early stage to secure sturdy plants. Full sun exposure suits them best, as in wet or shady situations they are subject to mildew. All faded trusses of flowers should be removed before they go to seed.

PHLOX DRUMMONDII GRANDIFLORA HHA

Improved, large-flowering, tall varieties, producing their showy trusses of big, round florets from early July until fall. The seed should be sown outdoors in April or May, although it may be started earlier indoors if extra-early bloom is desired. Thin the plants to stand at least 10 inches apart. Fine bedders and useful for cutting. 12 to 15 inches.

3220 **Blood-Red**
3221 **Bright Rose**
3222 **Primrose-yellow**
3223 **Scarlet**
3224 **Shell-Pink**
3225 **Violet**
3226 **White**

Each, pkt. 10 cts., ¼ oz. 45 cts.

3229 **COLLECTION.** One pkt. each of the above 7 colors **60 cts.**

3230 **Finest Mixed.** The very finest mixture of large-flowering, tall varieties. **Pkt. 10 cts., ¼ oz. 40 cts.**

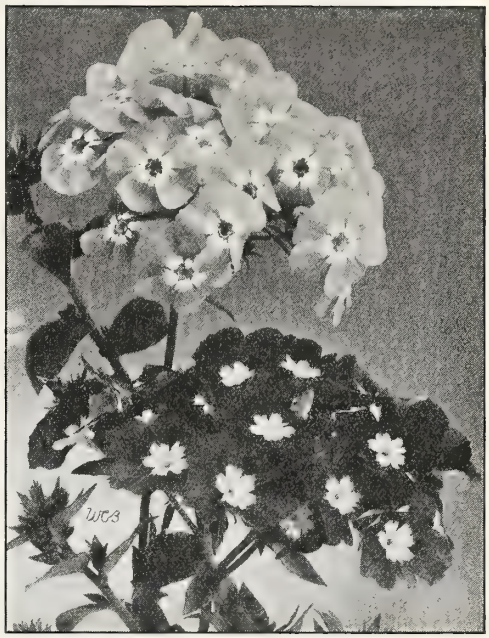
3231 **Dwarf, Finest Mixed.** Large flowering; 8 inches. **Pkt. 10 cts., ¼ oz. 75 cts.**

3232 **Starred and Fringed, Mixed.** Flowers of many colors, with deeply fringed and pointed petals. **Pkt. 10 cts., ¼ oz. 45 cts.**

3233 **Dwarf Cecily, Mixed.** Extra large trusses. Height 6 to 8 inches. **Pkt. 15 cts., ⅛ oz. 75 cts.**

HARDY PERENNIAL PHLOX HP

3235 **Decussata, Mixed.** Saved from the newest and best large-flowering varieties. The seed germinates slowly and irregularly over a period of six months or more. 3 feet. **Pkt. 25 cts.**



Phlox Drummondii

ANNUAL POPPIES HA

The Poppies are old garden favorites and are always admired for their graceful habit and delightful colorings. They are excellent for sowing by themselves in beds, scattering in the border and also for cutting if picked when the buds just begin to show color. Sow the seed thinly early in the spring where they are to remain, as they do not like transplanting; continuous bloom can be maintained by sowing seed at intervals and by keeping the faded blooms picked so as to prevent them going to seed.

Single Shirley Poppies

Single Annual Poppies

3250 **American Legion.** Lovely single bright orange-scarlet blooms on white ground. Height 2 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**

3251 **Blue Shades.** Greyish-blue. **Pkt. 10 cts., ¼ oz. 30 cts.**

3252 **Danebrog or Danish Flag.** Bright red with white spots at the base which form a cross. Height 3 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**

3253 **The Bride.** Large flowers, pure snowy white, fringed petals. **Pkt. 10 cts., ¼ oz. 25 cts.**

3254 **Tulip (Glacum).** Flowers are brilliant scarlet of cup shape. Height 1 to 1½ feet. **Pkt. 10 cts., ¼ oz. 30 cts.**

3255 **Wild Rose.** Soft shades of rose and pink. Height 2 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**

3259 **COLLECTION.** One pkt. each of the above 6 varieties **50 cts.**

3258 **Single Annual Shirley Mixed.** Beautiful color in delicate shades varying from pure white and delicate pink to rosy-carmine and deep crimson. 2 to 2½ feet. **Pkt. 10 cts., ¼ oz. 20 cts., 1 oz. 50 cts.**

Double Annual Poppies

3260 **American Flag.** Large snow white flowers, bordered with scarlet. 3 ft. **Pkt. 10 cts., ¼ oz. 25 cts.**

3261 **Heliotrope.** Carnation-flowered, fringed edge. **Pkt. 10 cts., ¼ oz. 25 cts.**

3262 **SWEET BRIAR** (New). Full double Begonia-like flowers of a delightful shade of deep rose-pink. **Pkt. 20 cts., 3 pkt. 50 cts.**

3263 **White Swan.** Very large, double pure white flowers. **Pkt. 10 cts., ¼ oz. 25 cts.**

3265 **Carnation-Flowered Mixed.** Large ball shaped flowers; petals beautifully fringed. Height 3 feet. **Pkt. 10 cts., ¼ oz. 20 cts., oz. 50 cts.**

3266 **Peony-Flowered Mixed.** Elegant double Peony-like flowers in many bright colors. **Pkt. 10 cts., ¼ oz. 20 cts., oz. 50 cts.**

3267 **Shirley Double Mixed.** Beautiful double and semi-double flowers in a wide range of colors. 2 to 2½ feet. **Pkt. 10 cts., ¼ oz. 25 cts., oz. 50 cts.**

(See Next Page for Hardy Perennial Poppies)

HARDY PERENNIAL POPPIES HP

The hardy Poppies are among our most gorgeous "old-fashioned" flowers. The Orientale varieties may be sown from July to September to flower the following season. The Iceland Poppies may be handled in the same way or started indoors in February, in which case they will bloom the first season. Like the annual varieties, the hardy Poppies thrive on comparatively poor soil but prefer a sunny and well-drained location.

3270 **Iceland, Mixed (Nudicaule).** Very graceful, dwarf plants bearing many dainty flowers. White, shades of yellow, salmon, and orange. 1 foot. **Pkt. 15 cts., ¼ oz. 75 cts.**

3271 **Orientale.** Gigantic, deep scarlet flowers; the flaming "Decoration Day" Poppy. 3 feet. **Pkt. 10 cts., ¼ oz. 50 cts.**

3272 **Orientale Princess Victoria Louise.** Beautiful salmony pink. **Pkt. 15 cts., ⅛ oz. 75 cts.**

3273 **Orientale Hybrids.** Like Orientale but the flowers are salmon, orange and shades of red. **Pkt. 10 cts., ¼ oz. 65 cts.**

PHYSALIS FRANCHETTA HA

(Chinese Lantern Plant)

3240 Flowers bright orange-scarlet, shaped like a Chinese lantern, ideal for winter decoration. **Pkt. 10 cts.**

PHYSOTEGIA (False Dragon Head) HP

3242 **Virginica.** One of the prettiest of the hardy perennials. Graceful rosy-pink spikes filled with tiny Snapdragon-like blooms; grows 3 to 4 feet high and excellent for cutting. **Pkt. 10 cts., ¼ oz. 75 cts.**

PLATYCODON (Balloon Flower) HP

Balloon-like buds followed by broad bell-shaped flowers. Fine for planting in permanent borders or among shrubbery. Seed sown outdoors in April will bloom in August. 2 feet.

3244 **Grandiflorum Blue. Pkt. 10 cts., ¼ oz. 50 cts.**

3245 **Grandiflorum White. Pkt. 10 cts., ¼ oz. 50 cts.**

PORTULACA HA

Ideal bedding flowers for light, dry soils and sunny situations, blooming profusely during the hottest weather and making very bright and showy beds. The flowers come in white and shades of red and yellow; the plants are procumbent with succulent stems and leaves. The seed should be sown where the flowers are wanted. Height 4 to 6 inches.

3275 **Single Finest Mixed.** All colors. **Pkt. 10 cts., ¼ oz. 30 cts., oz. $1.00.**

3276 **Double Mixed.** Extra-fine quality. Flowers like little roses; a large percentage come double. **Pkt. 15 cts., ¼ oz. 75 cts., oz. $2.50.**

Primula Obconica

Oriental Poppy

PRIMULA (Primrose)

Winter blooming pot-plants, readily grown from seed which should be sown thinly so that the earliest plants may be removed without disturbing seed that will germinate later. For Christmas-blooming plants the seed should be started the previous January. The plants should be grown in a moderately cool temperature and repotted frequently, increasing the richness of the soil with each transfer.

PRIMULA OBCONICA. TP. We offer an improved free flowering strain with extra large flowers, all fringed and fluted.

3280 **Grandiflora Apple Blossom.** Soft pink. **Pkt. 25 cts.**

3281 **Grandiflora Lilac.** Beautiful lilac. **Pkt. 25 cts.**

3282 **Grandiflora Red Mohnstein.** Deep red. **Pkt. 50 cts.**

3283 **Grandiflora Rosea.** Bright rose. **Pkt. 50 cts.**

3285 **Grandiflora Mixed.** All colors. **Pkt. 25 cts.**

3287 **Gigantea Mixed.** All colors. **Pkt. 25 cts.**

3288 **PRIMULA Kewensis.** Flowers bright yellow; the plants commence to bloom while still quite small and flower continuously for a long period. **Pkt. 25 cts.**

PRIMULA Malacoides (Baby Primrose). Flowers in profusion on long stems.

3290 **Alba** 3291 **Rosea** 3292 **Mixed**

Each, pkt. 25 cts.

3293 **PRIMULA Stellata Mixed.** A distinct form with heads of star-shaped flowers. **Pkt. 50 cts.**

Hardy Primroses

Useful for rockeries and borders as well as for pot culture. Although hardy on well-drained soil, it is best to give them some protection over winter.

3294 **Auricula.** Vigorous growers and early bloomers, with flowers in a wonderful range of colors, each marked with a distinct eye. 1 foot. **Pkt. 25 cts.**

3295 **Elatior** (Polyanthus Primrose). Attractive early spring-flowering varieties, either for the house or outdoor culture. 8 inches. **Pkt. 15 cts.**

3296 **Japonica.** Grows to perfection on deep, moist soil and in shady locations, blooming profusely in early summer. In many delicate colors. 1½ feet. **Pkt. 25 cts.**

3297 **Veris** (Cowslip). Fragrant, bright yellow flowers. 6 to 8 inches. **Pkt. 15 cts.**

3298 **Vulgaris (acaulis).** This is the pale yellow, sweet scented English Primrose; flowers in early spring. 6 inches. **Pkt. 15 cts.**

Salpiglossis

PYRETHRUM HP

Extremely showy and effective perennials of easy culture, the flowers lasting a long time when cut. Blooms in May and June and again in the fall if they are cut back after their early bloom has passed.

3300 **Hybridum Single Mixed.** Daisy-like flowers. Giant-flowered single varieties, ranging from light pink to carmine-red. They are elegant for cutting and plants are perfectly hardy. 2 feet. **Pkt. 15 cts., ¼ oz. 75 cts.**

3301 **Hybridum Double Mixed.** Finest double hybrids. Seed saved from a famous collection. Only a portion of the plants will produce double flowers the first season. **Pkt. 25 cts., ⅛ oz. 75 cts.**

3302 **Dark Red Shades. Pkt. 25 cts.**

3303 **Aureum** (Golden Feather). Dwarf half-hardy perennial with yellow foliage; grows 1 foot high. Valuable for edging beds and borders. **Pkt. 10 cts., ¼ oz. 25 cts.**

RICINUS (Castor-Oil Plant) HHA

Nothing we offer surpasses these in subtropical effectiveness. Some will very easily reach a diameter of 10 to 12 feet, and others a height of 15 feet or more, according to treatment. For quicker results start seeds in pots.

3305 **Borboniensis arboreus.** Imposing tree-like variety with giant leaves. 15 feet. **Pkt. 10 cts., oz. 25 cts.**

3306 **Cambodgensis.** Beautiful, dark foliage; stems almost black. 5 feet. **Pkt. 10 cts., oz. 25 cts.**

3307 **Gibsonii.** Dark purple leaves and stems; of dwarf habit. 4 feet. **Pkt. 10 cts., oz. 25 cts.**

3308 **Sanguineus.** A very ornamental variety. Stalk and fruit vessels blood-red. Very good for contrast when planted with the green foliaged varieties. 8 feet. **Pkt. 10 cts., oz. 25 cts.**

3310 **Zanzibarensis, Mixed.** Fine varieties for specimen plants or groups; mostly green-leaved. Rapid growing. **Pkt. 10 cts., oz. 25 cts.**

RUDBECKIA (Coneflower)

3312 **Bicolor Superba. HA.** An annual variety, very profuse bloomer. Bright yellow flowers with brown disc. 2 feet. **Pkt. 10 cts., ¼ oz. 30 cts.**

3313 **Newmani. HP.** Fall blooming hardy perennial, growing 3 feet in height. Rich yellow blooms with purple cones. **Pkt. 15 cts., ¼ oz. 75 cts.**

SALPIGLOSSIS (Painted Tongue) HA

A gorgeous display is given by these plants during the hot days and drought of July and August. Their coloring is wonderfully rich, and the funnel-shaped flowers are marvelously painted and penciled, having the appearance of numerous overlapping petals. A most satisfactory plant for dry situations. 2 to 2½ feet.

3320 **Brown and Gold**
3321 **Crimson**
3322 **Purple and Gold**
3323 **Rose and Gold**
3324 **Scarlet and Gold**
3325 **White and Gold**
3327 **All Colors Mixed**

Each pkt. 10 cts., ¼ oz. 50 cts.

3329 **COLLECTION**—1 pkt. each of above 6 colors **50 cts.**

SALVIA (Scarlet Sage) HHA

Salvia is highly valued for brilliant scarlet display, adaptability for location and profusion of bloom from summer until frost. Sow the seed in February or March indoors, or in a hotbed, and transplant later into small pots and set outdoors when all danger of frost is past. Seed may also be sown in the open ground in May.

3330 **America or Globe of Fire.** The freest and most continuous bloomer of all the Scarlet Sages; also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines. 1½ feet. **Pkt. 20 cts., ⅛ oz. $1.00.**

3331 **Bonfire.** Very compact in growth, with erect spikes; brightest scarlet. 2 feet. **Pkt. 15 cts., ⅛ oz. 65 cts.**

3332 **Splendens.** The type variety. Bright red, 3 feet. **Pkt. 10 cts., ¼ oz. 75 cts.**

3333 **Zurich** or **Lord Fauntleroy.** Dwarf, early and free-flowering; a splendid strain. 1½ feet. **Pkt. 15 cts., ⅛ oz. $1.00.**

3335 **Farinacea. HHP.** A perennial variety which should be treated like an annual. Lovely blue flowers with grayish stems. Seed sown in the open ground will bloom from July until frost. 2 to 3 feet. **Pkt. 15 cts.**

3336 **Patens.** (Blue Sage) **TP.** Tender perennial. Deep rich blue flowers. Treat in the garden as an annual. **Pkt. 25 cts.**

3340 **SANVITALIA procumbens. HA.** One of the best annuals for low borders, preferring a light soil and sunny situation. Blooms from midsummer to late fall. Small flowers, bright yellow with purple disc. **Pkt. 10 cts., ¼ oz. 50 cts.**

SAPONARIA

3342 **SAPONARIA, Ocymoides. HP.** Hardy perennial rockery plant growing 9 inches high and bearing masses of tiny rose flowers all summer and fall. **Pkt. 10 cts., ¼ oz. 25 cts.**

3343 **Vaccaria. HA.** Pretty annual with flowers like an enlarged Gypsophila of a rich satiny pink; 2 feet. Sow repeatedly for succession of bloom. **Pkt. 10 cts., ¼ oz. 25 cts.**

SCHIZANTHUS (Butterfly Flower) TA

A plant of rare beauty and elegance, both for garden decoration and pot plants indoors. The dainty flowers come in a wide range of colors and are delicately spotted and blotched, like miniature butterflies. Sow the seed outdoors in late spring, transplanting later with a good sized ball of earth. Sow in autumn for indoor pot plants for winter.

3365 **Dr. Badger's Giant Flowering Hybrids.** A fine large-flowering strain, with a wide range of marvelous colors—from almost pure white through delicate shades of pink to bright rose and crimson, exquisite mauve and lavender tints, and many beautifully blotched and penciled with darker shades, including bronze and chocolate. **Pkt. 25 cts.**

3366 **Wisetonensis Excelsior.** An excellent strain containing a wide range of colors. **Pkt. 25 cts.**

Salvia, or Scarlet Sage

Scabiosa (Pincushion Flower)

SCABIOSA
(Mourning Bride; Pincushion Flower) HA

Extremely free-flowering plants, splendid for beds and borders, and producing very attractive cut-flowers. Sometimes grown for winter bloom. 2½ to 3 feet.

THREE NEWER SCABIOSAS

3355 **Loveliness.** Shades of salmon rose. **Pkt. 25 cts.**
3356 **Peach Blossom.** Peach blossom pink. **Pkt. 15 cts.**
3357 **Shasta White.** Enormous pure white. **Pkt. 15 cts.**

LARGE-FLOWERING ANNUAL VARIETIES

Constant and free bloomers, the plants being masses of color throughout the summer months. 2½ feet.

3350 **Azure Blue**
3351 **Black King**
3352 **Crimson**
3353 **Rose**
3354 **White**
3360 **All Colors Mixed**

Each Pkt. 10 cts., ¼ oz. 25 cts.

3359 **COLLECTION.** 1 pkt. each of the above 5 colors, **40 cts.**

3361 **Caucasica. HP.** Flowers light azure-blue, on long stems. Blooms the first season from early-sown seed. 3 feet. **Pkt. 15 cts.**

3362 **House's Giant Hybrids. HP.** Hardy perennial; large blooms with ruffled and fringed edges. **Pkt. 25 cts.**

3363 **Japonica. HP.** Bushy plants with lavender flowers; fine for cutting; early blooming. 2 feet. **Pkt. 10 cts.**

3370 **SILENE Orientalis. HP.** A robust border plant, with many heads of bright rose flowers, having a clove-like odor; nice for cutting. 2½ feet. **Pkt. 10 cts.**

3371 **Schafta. HP.** A much-branched trailing variety, with showy, rosy purple flowers. **Pkt. 15 cts.**

3375 **SMILAX (Myrsiphyllum). TP.** This popular decorative vine of the florists is readily grown from seed, and will attain a height of 6 to 12 feet. Should have a rich soil. Most suitable for conservatory. **Pkt. 10 cts., ¼ oz. 35 cts.**

3380 **SOLANUM capsicastrum nanum** (Jerusalem Cherry). **TA.** Handsome plants with an abundance of ornamental scarlet berries. 1 foot. **Pkt. 15 cts.**

3381 **Cleveland Red Cherry.** An improved form of this ornamental pot plant. Dwarf and compact with large number of berries. **Pkt. 15 cts.**

STATICE (Sea Lavender). Splendid plants grown for garden display and used largely for winter bouquets. Seed germinates very slowly.

3385 **Sinuata Mixed. HA.** All colors mixed, 18 inches. **Pkt. 10 cts., ¼ oz. 35 cts.**

3386 **Suworowi** (Russian Cat-tail). **HA.** Spikes of tall rose flowers, 18 inches. **Pkt. 10 cts., ¼ oz. 35 cts.**

3388 **Latifolia. HP.** Hardy perennial. Purplish-blue flowers, 2 feet. **Pkt. 10 cts., ¼ oz. 35 cts.**

3390 **STEVIA Serrata (Piqueria). TP.** Excellent for cutting, bearing clusters of pure white fragrant flowers. 2½ feet. **Pkt. 10 cts., ⅛ oz. 40 cts.**

3435 **STOKESIA cyanea** (Cornflower Aster). **HP.** A charming plant for the hardy border; also fine for cutting. It is perfectly hardy, growing to a height of 2 feet, and produces an abundance of beautiful lavender-blue flowers from midsummer until frost. **Pkt. 15 cts., ¼ oz. 75 cts.**

3555 **SWEET ROCKET (Hesperis matronalis). HP.** Erect-growing, 2 feet tall, with clusters of sweet-scented flowers. Nice for the borders and for cutting, thriving in poor soil. White and deep lavender. **Pkt. 10 cts., ¼ oz. 25 cts.**

THALICTRUM (Meadow Rue) HP

3575 **Adiantifolium.** Finely cut, maidenhair-fern like foliage with miniature white flowers in June and July. 15 inches. **Pkt. 10 cts., ⅛ oz. 35 cts.**

3576 **Dipterocarpum.** Graceful plumes of rosy-purple flowers with conspicuous yellow anthers. 4 to 5 feet. August to Sept. **Pkt. 15 cts., ⅛ oz. 85 cts.**

3578 **THUNBERGIA alata** (Black-eyed Susan). **HHA.** A slender trailing annual which will grow in the poorest soil and bloom under the most trying conditions. Flowers produced in the greatest profusion; white, cream and sulphur-yellow, many with black centers. Excellent for porch baskets and window boxes. **Pkt. 10 cts., ¼ oz. 35 cts.**

3580 **TORENIA Fournieri. TA.** Fine for borders and porch-boxes. Covered with flowers, light and dark blue with yellow lip, until frost. 12 inches. **Pkt. 15 cts., 1/16 oz. 50 cts.**

3585 **TROLLIUS—Ledebouri** (Globe Flower). **HP.** Large orange buttercup-like blooms from May to August; height 2 feet. Thrives in moist, partially shaded locations. Seed germinates very slowly. **Pkt. 25 cts.**

3620 **VERONICA spicata.** An elegant hardy border plant, growing about 1½ feet high, producing long spikes of bright blue flowers in June and July. **Pkt. 15 cts.**

VISCARIA. HA. Closely related to "Ragged-Robin" and the old fashioned "Catchfly." The large-flowered dwarf Viscarias are easily grown. Exceedingly free-blooming. 12 inches.

3625 **Dwarf Mixed.** Red, white and blue shades. **Pkt. 20 cts., ⅛ oz. 30 cts.**

VINCA ROSEA (Periwinkle) TA

The Vincas are favorites for bedding, as they do well in partly shaded as well as sunny locations, and do not require a rich soil. The plants are very handsome, about 1 foot high with glossy dark green foliage and charming star-shaped flowers which will last in water for a week if cut when the buds are beginning to open. Start the seed indoors in January or February and set the plants outdoors in April, about 1 foot apart each way; they will bloom from the time the plants are set out until fall. Or the seed may be sown directly in the open soil in late April. The Vincas make fine window-box plants. Give them a medium light soil if possible and an occasional heavy watering.

3630 **Rose**
3631 **White with Rose Eye**
3632 **White**
3635 **Mixed**

Each, pkt. 10 cts., ¼ oz. 50 cts.

STOCKS (GILLIFLOWER) HHA

Always desirable on account of their unusual fragrance. Stocks are general favorites for bedding and cutting, and also for pot plants during the winter months. Outdoors they like a well enriched soil with plenty of moisture and some shade during the hot months. Start the seed indoors or in a hotbed in March and when the seedlings are large enough transplant into small pots to be set outdoors in May.

EARLY GIANT IMPERIAL STOCKS
(Improved Bismarck)

Of branching habit, the large flowers and long stems of the Giant Imperial class make it especially desirable for cutting. Very early blooming and produces a high percentage of doubles. Height 2 to 2½ feet.

3400 **Blood-red**
3401 **Canary-yellow**
3402 **Dark Blue**
3403 **Deep Rose**
3404 **Lavender**
3405 **White**
3407 **Mixed**

Each of the above, pkt. 15 cts., ⅛ oz. 75 cts.

3409 **COLLECTION.** One pkt. of each of the above 6 colors **75 cts.**

IMPROVED PERFECTION STOCKS
(Double Branching)

These are an improvement on the variety offered as Ten-Weeks Stock. Of splendid pyramidal growth, freely branching from the main stem, giving an abundance of large spikes of double flowers from early summer until fall. Height 2 ft.

3410 **Canary-yellow**
3411 **Chamois-rose**
3412 **Dark blue**
3413 **Fiery-crimson**
3414 **Light blue**
3415 **White**
3417 **Mixed**

Each of the above, pkt. 15 cts., ⅛ oz. 75 cts.

3419 **COLLECTION.** One pkt. of each of the above 6 colors, **75 cts.**

GIANT FLOWERING BEAUTY STOCKS

This class is of special value for winter flowering to provide cut flowers. Start seed indoors from July to September for winter forcing; if started in March will bloom outdoors from midsummer until frost. Height about 2 feet.

3420 **Beauty of Nice.** Delicate pink.
3421 **Crimson King.** Brilliant crimson.
3422 **Mont Blanc.** Pure white.
3423 **Monte Carlo.** Canary-yellow.
3424 **Queen Alexandra.** Rosy lilac.
3425 **Summer Night.** Rich deep blue.
3427 **Mixed.**

Each of the above, pkt. 15 cts., ⅛ oz. 85 cts.

3429 **COLLECTION.** One pkt. of each of the above 6 colors, **75 cts.**

Stock Giant Imperial

Special Rock Garden Collections

Twelve Annuals
For Rock Gardens, $1.20

	Page
ALYSSUM, Carpet of Snow	7
ANTIRRHINUM, Rock Hybrids	8
BRACHYCOME, iberidifolia	10
CANDYTUFT, Little Prince	11
HUNNEMANNIA fumarifolia	20
MARIGOLD (Signati Pumila)	20
MESEMBRYANTHEMUM, Tricolor	21
NEMESIA, Strumosa Blue	24
PHLOX, Dwarf Cecily	25
PORTULACA, Mixed	26
VISCARIA, Dwarf Mixed	28
ZINNIA, Mexicanna Hybrids	33

IF PURCHASED SEPARATELY THIS COLLECTION WOULD COST $1.50

Twelve Perennials
For Rock Gardens, $1.50

	Page
ALYSSUM, saxatile compactum	7
ARABIS, alpina	7
CAMPANULA, carpatica	11
CERASTIUM, tomentosum	12
CHEIRANTHUS, Allioni	13
DIANTHUS, Rock Hybrids	15
GEUM, Lady Stratheden	17
HEUCHERA, sanguinea	18
IBERIS, sempervirens	11
POLYANTHUS (P. Elatior)	26
POPPY, Iceland	26
SAPONARIA, ocymoides	27

IF PURCHASED SEPARATELY THIS COLLECTION WOULD COST $1.90

Beckert's Superb Spencer or Orchid-Flowered Sweet Peas HA

Spencer or Orchid Sweet Pea

Summer Flowering Varieties

It has been only a few years since the first of the Spencer Sweet Peas was introduced to American gardeners, but they have in that short time so completely overshadowed the old-fashioned or Grandiflora varieties that the latter are almost forgotten. The flowers of the Spencer or Orchid-Flowered type are of extraordinary size, with beautifully waved standards and wide-spreading wings, round and open, often measuring 2 inches or more across. A large percentage bear four of these immense blossoms to the stem, and the stems are long and strong, making them of exceptional value for cutting.

In exquisite form and range of elegant colors, there are no flowers to compare with Sweet Peas. We offer the cream of the Summer-Flowering Spencer sorts that have been tested and found to be of true merit and distinct in color. Sweet Peas delight in having their roots in cool, deep soil. The ground should be prepared as early in the spring as it is dry enough to work. Dig a trench one foot wide by one and one-half feet deep in which put at the bottom 6 inches of rotted manure or mixed peat moss and sheep manure and tread down firmly; fill the trench to within 6 inches of the surface with garden soil.

Sow the seed 2 inches apart, cover ¾ of an inch and after growth has started, thin out the plants to stand 6 inches apart and fill up the trench level with the surface. When the young plants produce tendrils, provide support of brush, wire netting, or trellis. To prevent the soil baking, mulch the rows with peat moss, straw, or litter. The blooming period will be prolonged by keeping the faded flowers picked.

Blue and Lavender

3450 **Blue Bird.** Beautiful clear blue of unusual merit.
3452 **Gleneagles.** Very large, pale blue lavender. Stem long and strong.
3454 **Olympia.** Lovely blooms of rich and bright purple. Very free blooming.

Cerise

3456 **Charming.** Flowers of largest size. Bright glowing cerise with salmon sheen.
3458 **Royal Salute.** Deep cerise flowers of good size.

Cream

3460 **Daffodil.** Large, light cream colored blooms, beautifully frilled.
3462 **Sunkist.** Magnificent shade of cream with a lovely edge of pink
3464 **What Joy.** Considered one of the best of the newer cream colors. Rich deep primrose-yellow.

Crimson and Maroon

3466 **Crimson King.** Extra large blossoms of deep crimson.
3468 **Sybil Henshaw.** Splendid new variety of striking rich crimson.
3470 **The Sultan.** Deep velvety maroon. Large flowers on strong stems.

Orange

3472 **Colorado.** Large and finely formed blooms of pure rich orange.
3474 **Pirate Gold**. New tint of deep golden orange, blooms of large size.

Pink

3476 **Damask Rose.** Lovely blooms of beautiful rosy crimson on long stems.
3478 **Del Monte.** Charming salmon cerise pink. Large well waved blooms.
3480 **Rosie.** Well formed blooms on fine long stem. Warm rose pink color.
3482 **Royal Pink.** Charming blend of bright pink and orange. Large waved blooms.
3484 **Mary Pickford.** Nicely waved petals of a dainty clear pink, faintly suffused salmon.

White

3486 **Avalanche.** Beautiful pure white flowers, well frilled.
3488 **Youth.** White ground with a delicate pink edge.

Each of the above, pkt. 10 cts., oz. 30 cts., ¼ lb. $1.00

BECKERT'S SUPERB MIXTURE SUMMER FLOWERING SWEET PEAS

3498 Our special mixture is made up of the finest named varieties of true Spencer-type Sweet Peas. It comprises all colors in the proper proportions, affording an almost endless variety of flowers for every purpose. It will surely delight all who do not have the space to make plantings of separate named sorts. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts., lb. $2.00.**

COLLECTIONS
Summer Flowering Sweet Peas

A—One pkt, each of any 6 varieties above	$ .50
B—One pkt. each of any 12 varieties above	1.00
C—One pkt. each of the 20 varieties above	1.50
D—One 1 oz. pkt. each of any 6 varieties above	1.50
E—One 1 oz. pkt. each of any 12 varieties above	2.75
F—One 1 oz. pkt. each of the 20 varieties above	4.25

EARLY OR WINTER-FLOWERING SPENCER SWEET PEAS

Early or Winter-flowering Spencers are now grown largely for winter bloom and are in great demand by florists. They are equally desirable however, for outdoor planting as they come into bloom two to three weeks ahead of the standard Spencer varieties and, if kept cut, will continue to bloom nearly as long.

Four Newer Varieties

3514 **APOLLO.** (Long-stemmed.) Belongs to the new race of long-stemmed Early Sweet Peas developed for commercial flower growers. In color it is a soft salmon-pinkself, a charming and appealing shade blending perfectly with most pink and lavender tints. Contrasted in a bunch with white or cream the effect is delightful. The flowers are unusually large, nicely waved, splendidly placed, and the stems very long. Truly a great novelty. **Pkt. 20 cts., ½ oz. 60 cts., oz. 1.00.**

3530 **PAL.** (Long-stemmed.) This is the lively, scintillating, pleasing rich rose-crimson Early Sweet Pea which florists and commercial growers have been looking for. Most crimson Sweet Peas, grown under glass, lose brightness of color, but Early Pal has developed a combination of rose and crimson which holds the brightness and depth of color. The stems are long and strong and the flowers are of excellent form, large and bold. The vines are vigorous in growth and very free-flowering. **Pkt. 20 cts., ½ oz. 60 cts., oz. $1.00.**

3520 **FASCINATION.** A child of two famous parents, Early Jeanne Mamitsch X Late Hawlmark Pink. Early Fascination is a combination of color, vigor and stems bred for the exacting specifications of the florist. An Early Flowering Sweet Pea with the salmon rose-pink color of the famous Late Hawlmark Pink plus the long, strong stems that have made the Early Jeanne Mamitsch so popular as a commercial Sweet Pea. The color is even a richer, deeper salmon rose-pink than Hawlmark Pink. **Pkt. 20 cts., ½ oz. 60 cts., oz. $1.00.**

3528 **MISS ANNIE LAURIE** constitutes the richest tone of pure rose-pink ever produced in a Sweet Pea. It is several shades richer than Majestic Rose or Zvolanek's Rose, and is a marvelous improvement over these two varieties. Reports received from the trade who have already grown MISS ANNIE LAURIE on trial, declare it is just the color the florists want. In the trials and in the field cultures, it shows up as a most vigorous Sweet Pea. Long stems which are maintained throughout its blooming period, and Fours of course, and it is an abundant, prolific and continuous bloomer. **Pkt. 25 cts., ½ oz. $1.25, oz. $2.00.**

Superb Early or Winter-Flowering Spencer Sweet Peas

3510 **All White.** Largest pure white.

3512 **Amethyst.** Royal purple.

3516 **Aviator.** Bright crimson-scarlet.

3518 **Blue Bonnet.** Charming clear, bright blue.

3522 **Glitters.** Large brilliant cerise.

3524 **Grenadier.** Dazzling scarlet.

3526 **Lady Gay.** Soft shrimp-pink.

3532 **Sweet Lavender.** Pure lavender.

3534 **Valencia.** Sunproof orange.

3536 **Zvolanek's Rose.** Bright rose-pink.
Each of the above, pkt. 15 cts., ½ oz. 35 cts., oz. 60 cts.

3539 **COLLECTION.** One pkt. each of the above 10 varieties, **$1.00.**

3550 **Beckert's Superb Mixture Early Flowering Spencers, 10 cts. pkt., ½ oz. 25 cts., oz. 50 cts., ¼ lb. $1.50.**

SWEET WILLIAM (Dianthus Barbatus) HB

These "old-fashioned garden" flowers are too well known to need any description. The seed is usually sown in July or August and the seedling plants transplanted in September to the beds or borders where they are to bloom the following season. It may also be sown in early spring, in which case the plants will not come into full bloom until the second season. Sweet William does best in a fairly rich soil and in a sunny location. 15 to 18 inches.

3561 **Holborn Glory.** Large, handsome, single flowers with distinct white eyes in a large range of colors. **Pkt. 10 cts., ¼ oz. 30 cts.**

3562 **Maroon.** Velvety, dark red. **Pkt. 10 cts., ¼ oz. 30 cts.**

3563 **Newport Pink.** A beautiful shade of salmon-pink. Massive heads on long stems. **Pkt. 10 cts., ¼ oz. 50 cts.**

3564 **Scarlet Beauty.** Rich deep scarlet with large heads. **Pkt. 10 cts., ¼ oz. 50 cts.**

3565 **Single White.** Pure white. **Pkt. 10 cts., ¼ oz. 30 cts.**

3569 **COLLECTION.** One pkt. each of the above 5 colors, **40 cts.**

3567 **Single Mixed. Pkt. 10 cts., ¼ oz. 25 cts.**

3568 **Double Mixed. Pkt. 10 cts., ¼ oz. 35 cts.**

Sweet William

Verbena Hybrida Grandiflora

MAMMOTH VERBENAS HHA

The Verbenas have a wide range of brilliant colors and lend themselves to massing in the border, or to cutting for low receptacles. For quickest results, sow the seed indoors or in a hotbed in February or March, transplanting outdoors in May to stand 12 to 18 inches apart. Sown outdoors in May, the plants flower from late July until frost.

Verbena Hybrida Grandiflora

A magnificent strain of large sized Verbenas of robust compact habit and free blooming. The trusses are immense, the individual florets measuring an inch in diameter.

3601 **Lavender Glory** (New) is a true Lavender with a medium sized creamy white eye which accentuates the lovely Lavender tone. The color runs quite even, and the individual florets will cover a fifty-cent piece. It is also distinctly and sweetly fragrant. We offer LAVENDER GLORY as the finest Verbena ever introduced. **Pkt. 25 cts., 3 pkts. 65 cts.**

3600 **Etna.** Large trusses of geranium-red flowers with small creamy eyes.

3602 **Lucifer.** The entire flower is intense brilliant scarlet, showing up like flame against the deep green foliage.

3603 **Luminosa.** Flame pink, shading to salmon.

3604 **Rose Cardinal.** Bright rose, large white eye.

3605 **Violacea.** Deep violet-purple with white eye.

3606 **White.** Pure white with large sized florets.

Each, pkt. 15 cts., ¼ oz. $1.00

3609 **COLLECTION.** One pkt. each of 6 above varieties **75 cts.**

3610 **Hybrida Grandiflora Mixed. Pkt. 15 cts., ¼ oz. 75 cts.**

3611 **Mammoth Flowered Mixed. Pkt. 10 cts., ¼ oz. 50 cts.**

Various Verbenas

3615 **Erinoides.** (Moss Verbena) **HA.** Elegant spreading plants with moss-like foliage and bearing in profusion purplish-blue and white blossoms from June until frost. **Pkt. 10 cts.**

3616 **Lemon (Aloysia Citriodora) TP.** Leaves are deliciously lemon-scented. Start seed indoors. **Pkt. 15 cts.**

3617 **Venosa** (Hardy Verbena) **TP.** Bushy plants 1 foot high; flowers in graceful panicles of sky blue to purple. Excellent for edging. **Pkt. 10 cts.**

WALL FLOWERS

Prized for their delightful fragrance and grown for early spring bedding plants and for pot culture. They should be wintered over in cold frames and planted out in April.

3640 **Single Paris.** A single flowering variety blooming in July from seed sown indoors in February or March. Height 1½ ft. **Pkt. 10 cts., ¼ oz. 30 cts.**

3641 **Single Annual Mixed.** All colors. **Pkt. 10 cts., ¼ oz. 25 cts.**

3642 **Double Early Wonder Mixed.** When sown indoors early, will bloom about July. Plants about 2 feet high with strong spikes of double fragrant flowers. **Pkt. 25 cts.**

3720 **WILD CUCUMBER (Echinocystis lobata) HA.** One of the fastest growing vines. Bright green foliage with white flowers during July and August, followed by spiny seed pods. **Pkt. 10 cts., oz. 35 cts.**

Flower Seeds for Wild Gardens

These are easy to grow mixtures of flower seeds suitable for sowing broadcast in bare spots of either small or large size, along fences or any location where a natural or wild effect is desired. With little care a continuous succession of colorful flowers will be had throughout the summer and fall, many of which will be found useful for cutting.

3725 **Wild Garden Mixture, dwarf. Pkt. 10 cts., oz. 30 cts., ¼ lb. $1.00.**

3730 **Wild Garden Mixture, tall. Pkt. 10 cts., oz. 30 cts., ¼ lb. $1.00.**

Books on Horticultural Subjects

All Books Sent Postpaid at Prices Noted

ANNUALS, THE BOOK OF (Hottes). A reliable guide to the culture of annual flowers, over 100 species are described with full directions for their culture and use. **$1.50**

BULBS, THE BOOK OF (Rockwell) Practical ideas galore are contained in the many illustrations which show bulbs actually growing in the garden **$2.00**

BUSH FRUITS (Card) Tells about planting, cultivating, harvesting and the different varieties of berries, currants and other bush fruits; 85 illustrations, 411 pages..... **$2.50**

COMMERCIAL FLORICULTURE (Bahr) A practical manual based on the author's experience of half a century. Covers a general review of the florist business; 300 illustrations **$5.50**

FLOWER ARRANGEMENT, PRINCIPLES OF (White) Teaches how to become adept in the arrangement of flowers. Profusely illustrated, 200 pages..... **$3.00**

GARDEN GUIDE (Amateur Gardener's Handbook) Covers every step from spading the ground to preserving the harvest. **$1.00**

GARDEN NOTE BOOK (Putz) Covers a fund of material for a full garden year both indoors and out. We highly recommend this work to the garden lover..... **$1.50**

HORTUS (Bailey) An essential reference book with identification and finding key for all North American plants. Common names are used throughout, all botanical terms are defined, 652 pages **$10.00**

LANDSCAPE GARDENING (Gridland) Of particular value to the owner of the moderate sized suburban home; nicely illustrated. **$2.50**

LAWNS (Rockwell) Tells in detail just how to lay out the lawn, grade, fertilize, plant, care after planting, control weeds and pests and remake and repair old lawns; 87 pages, illustrated. **$1.00**

1001 GARDEN QUESTIONS ANSWERED (Hottes) A wealth of information covering the flower, vegetable and fruit garden arranged in the form of questions and answers. **$2.00**

PERENNIALS, THE BOOK OF (Hottes) A veritable storehouse of information about the ever popular flowers which come up year after year—the perennials..... **$2.00**

ROCK GARDENS (Rockwell) Brief clear descriptions and numerous drawings show just how you can construct a rock garden on a large or small scale..... **$1.00**

TREES, THE BOOK OF (Hottes) This is a valuable book that tells HOW, WHEN, WHERE and WHAT to plant. Of interest to home owners, schools, garden clubs and nurserymen; 400 pages, illustrated..... **$3.00**

VEGETABLE GARDENING (Watts) Concise and authentic, covers every phase of vegetable gardening..... **$2.50**

BECKERT'S *Improved* ZINNIAS HA

The seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants come into flower early in the summer and keep on blooming until hard frost. No annual excels the Zinnia in freedom of bloom. Splendid for garden decoration and for cutting.

Beckert's Dahlia-Flowered Zinnia

Beckert's Mammoth Dahlia-Flowered Zinnias In Beautiful New Colors

Besides producing by far the largest flowers of all the Zinnias, the Dahlia-flowered varieties are distinguished by being nearly as deep in the center as they are wide, with smaller individual petals than the ordinary varieties, but many more of them. Moreover, their colors are softer and more pleasing, being characterized by blended shades and pastel effects which, with the slightly reflexed and closely overlapping petals, give the whole flower the appearance of a fine satin cushion. The plants are about 3 feet tall and vigorous, producing a wealth of immense blooms from July until frost.

3650 **Canary Bird.** Clear primrose-yellow, retaining its pure color to the very last.
3651 **Crimson Monarch.** Deep glowing red; enormous flowers, often 8 inches in diameter.
3652 **Dream.** Lavender, deepening to mallow-purple in full bloom. An extraordinary color in Zinnias.
3653 **Exquisite.** The most pleasing color in Zinnias. Light rose-pink shading to deep rose in the center.
3654 **Old-Rose.** Real old-rose shade; very large.
3655 **Oriole.** Immense gold and orange bicolor. Perhaps the most beautiful in the entire group.
3656 **Polar Bear.** Pure white; of mammoth size.
3657 **Purple Prince.** A fine deep purple.
3658 **Scarlet Flame.** A striking blend of scarlet and orange which seems to shine like burnished copper.

Each of the above Mammoth Dahlia-Flowered Zinnias, **pkt. 15 cts., ¼ oz. 60 cts.**

3659 **COLLECTION.** One pkt. each of above 9 varieties, **$1.00.**
3665 **Dahlia-Flowered Mixed. Pkt. 15 cts., ¼ oz. 50 cts., oz. $1.50.**

Beckert's California Giant Double Zinnias

The Double Giants grow to a height of 3 feet and bear enormous double flowers which often attain a diameter of 4½ to 5 inches. Although tall and erect in growth, they are sturdy and well rooted and require no support. From seed sown in early spring they commence to bloom in July and continue until October.

3670 **Daffodil** (New) Bright canary-yellow.
3671 **Golden Queen.** Rich golden-yellow.
3672 **Grenadier.** Dark red.
3673 **Miss Willmott.** Soft tone of rose-pink.
3674 **Orange King.** Burnt orange.
3675 **Purity.** Pure white.
3676 **Rose Queen.** Striking bright rose.
3677 **Salmon Queen.** Deep salmon-rose.
3678 **Scarlet Beauty.** Glowing deep scarlet.
3680 **Violet Queen.** Fine deep purple.

Each, pkt. 10 cts., ¼ oz. 40 cts.

3679 **COLLECTION.** One pkt. each of the above 10 varieties **75 cts.**
3685 Giant Double Mixed. Pkt. 10 cts., ¼ oz. 35 cts., oz. $1.00.

Dwarf Double Zinnias

Cut-and-Come Again

An excellent class of Zinnia for bedding and cutting. Bushy compact plants 1½ feet in height with flowers of medium size that continue blooming until frost.

3690 **Canary-yellow.**
3691 **Golden-yellow.**
3692 **Salmon-rose.**
3693 **Scarlet.**
3694 **White.**

Each, pkt. 10 cts., ¼ oz. 30 cts.

3699 **COLLECTION.** One pkt. each of above 5 colors **40 cts.**
3698 **Dwarf Double Mixed. Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.**

Dwarf Lilliput or Pompom Zinnias

The Lilliputs are unexcelled for cut flower use and have become very popular. The flowers are small, double and symmetrical on strong stems and are excellent for table decorations. Height 1 to 1½ feet.

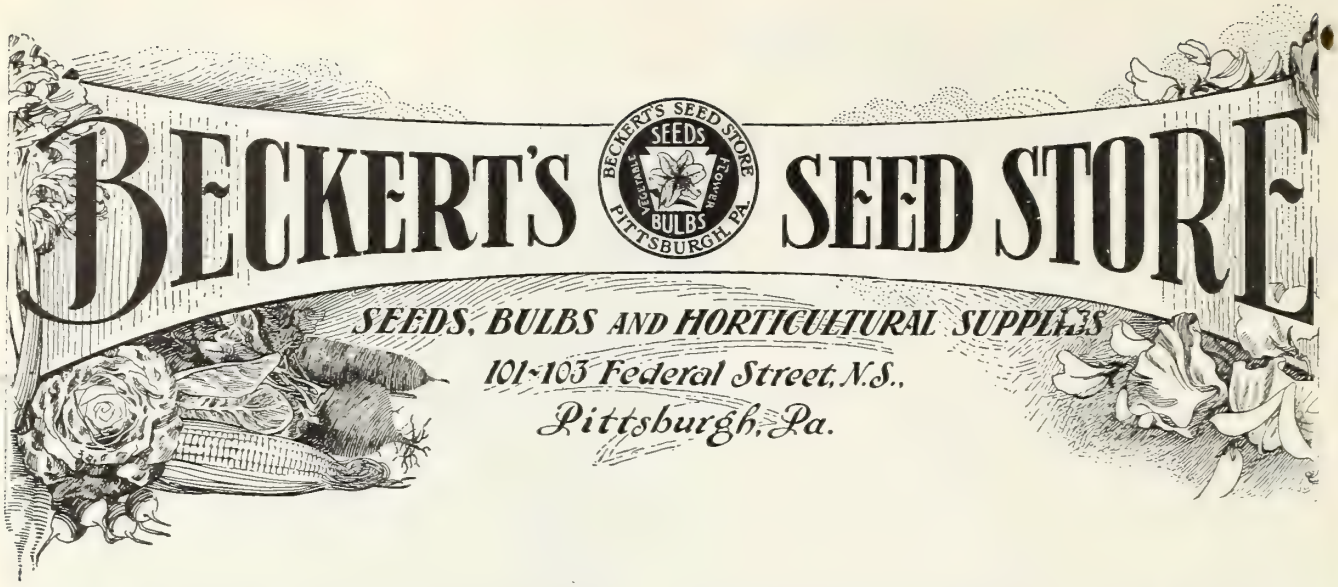
3700 **Canary-yellow.**
3701 **Crimson.**
3702 **Golden Gem.**
3703 **Salmon-rose.**
3704 **Scarlet Gem.** (Red Riding Hood).
3705 **White.**

Each, pkt. 10 cts., ¼ oz. 35 cts.

3709 **COLLECTION.** One pkt. each of the above 6 colors **50 cts.**
3708 **Dwarf Lilliput Mixed. Pkt. 10 cts., ¼ oz. 30 cts., oz. $1.00.**

Various Zinnias

3710 **Curled and Crested Mixed.** A distinct variety in which the petals are curiously curled and twisted; a good assortment of colors; 2 feet. **Pkt. 10 cts., ¼ oz. 50 cts.**
3711 **Mexicana Hybrids.** Dwarf plants about 1 foot high, bearing small double flowers of unusual colorings. Fine for borders. **Pkt. 15 cts., ¼ oz. 60 cts.**
3712 **Picotee Mixed.** Distinct flowers about 3 inches across with the petals tipped or picoteed with a contrasting color. 2 to 2½ feet. **Pkt. 15 cts., ¼ oz. 60 cts.**



BECKERT'S *Reliable* VEGETABLE SEEDS

Washington Asparagus

Artischocke (Ger.) **ARTICHOKE** *Articiocca* (Ital.)

One ounce will produce 500 plants.

The French or Globe Artichoke is a half-hardy perennial, cultivated for its flower-heads which are cooked like asparagus and are considered a great delicacy. Sow in early spring and thin the plants to stand 2 to 3 feet apart. Light protection is required over winter. Trim the second spring to three strong shoots. The first edible heads will be produced the second year, and should be gathered as fast as formed.

LARGE GREEN GLOBE. The best for general use.

Spargel (Ger.) **ASPARAGUS** *Sparagio* (Ital.)

One ounce will sow 50 feet of row.

An Asparagus bed on well-drained soil, once properly made, will last for years. Plenty of fertilizer, as well as rich compost or well-rotted stable manure, should be trenched in to a depth of 2 feet and thoroughly mixed with the soil. The seed should be planted in rows 3 to 5 feet apart and thinned to stand 1½ feet apart in the rows; or sown in a separate seed-bed and the seedlings transplanted the second year, setting the crowns from 4 to 6 inches below the surface of the bed. Sow as early in the spring as the ground can be prepared and fair crops may be expected the third year from seed.

MARY WASHINGTON. The shoots are larger and grow much more rapidly than other varieties. Very vigorous, with thick stalks which grow unusually tall without branching. Deep green with purple tips. This is the best variety for commercial planting.

GIANT ARGENTEUIL. Tender and delicious purple tinted stalks.

PALMETTO. One of the earliest and most prolific. Stalks light green.

ASPARAGUS ROOTS

The varieties of Asparagus listed above can be furnished in choice two-year old roots at the prices shown in the price list at bottom of the page. When setting out roots, dig trenches 1½ feet deep and 4 feet apart, set the plants 2 feet apart in the trenches with the roots evenly spread out, covering with 3 to 4 inches of soil. As growth proceeds gradually fill in the trenches until level with the surface soil. For a permanent bed do not cut until the third year.

BROCCOLI Resembles cauliflower and requires much the same treatment. One ounce will produce 3000 plants.

ITALIAN GREEN SPROUTING. A genuine Italian variety which has become quite popular in this country. Forms small loose heads, light green in color and with distinctive flavor.

BRUSSELS SPROUTS The seed should be sown in April or May, and the plants cultivated like cabbage; the heads are improved by frost. An ounce of seed will produce 2,500 plants.

LONG ISLAND IMPROVED. Considered by many the best strain of Brussels Sprouts grown in this country as it grows less tall and is wider at the base of the plant. Early; fine quality.

	Pkt.	Oz.	¼ lb.	Lb.
ARTICHOKE				
Large Green Globe	$ .15	$ .75	$2.75	...
ASPARAGUS SEED				
Mary Washington	.10	.25	.75	$ 2.50
Giant Argenteuil	.10	.15	.40	1.00
Palmetto	.10	.15	.40	1.00
BROCCOLI				
Italian Green Sprouting	.25	.75	2.50	...
BRUSSELS SPROUTS				
Long Island Improved	.10	.35	1.00	3.00
ASPARAGUS ROOTS—2 year.		50 Roots	100 Roots	1000 Roots
Mary Washington		1.25	2.00	17.50
Giant Argenteuil		1.00	1.50	15.00
Palmetto		1.00	1.50	15.00

Rübe (Ger.) Garden Beets *Bietola* (Ital.)

One ounce will sow 50 ft. of row; six pounds per acre.

Next to Beans, the Beets are probably the easiest to grow of all garden vegetables, and among the root crops they certainly rank first. Beets will grow readily in any soil that has been deeply dug. It is not necessary that the soil be rich, although larger crops may be grown on fertile soil; fresh manure cannot be recommended since it will produce rough and misshapen roots and nurse root maggots. The soil should be dug and raked deeply and thoroughly as early in the spring as the ground can be worked. Sow the seeds in rows 18 to 24 inches apart, covering them with about 1½ inch of soil, pressing it down firmly to insure a quick and even germination. Scatter the seed thinly (one to every inch is ample) since each kernel is really a composite fruit containing two or more seeds. As soon as the seedlings are a few inches high, thin them out to stand 2 to 3 inches apart, and thin them again later on, if it is necessary, in order to give the roots room in which to develop.

DETROIT BLOOD RED. The best second-early Beet to follow Crosby's Improved. Roots of good size, globular; flesh dark red and tender; foliage small. Particularly sweet; the favorite sort for canning and without a doubt, the best all-round Beet for market or home-garden.

EGYPTIAN. An extra-early variety with medium-sized, flattened roots, dark crimson in color, and small tops. Can be grown very closely.

CROSBY'S IMPROVED, Beckert's Special Stock. An extra-early, thoroughbred strain of Crosby's Egyptian Beet. Handsome roots, thick, smooth, and with small taproots; of fine quality; uniform in size and shape; skin and flesh deep red. Crosby's Improved is the standard sort for early markets and a satisfactory extra-early Beet for the home-garden.

EARLY WONDER. A new strain of Crosby Beet, producing uniformly smooth, well-shaped roots of extra-dark color. Early Wonder is highly recommended for bunching for early market.

BEET—PERFECTED DETROIT

This new strain is the result of several generations of inbreeding and is unquestionably the darkest red and most uniform stock of blood turnip beet ever created. It is an early, round, dark red root with medium foliage, produced by inbreeding and reselection over a period of eight generations. It is an excellent canner, has no visible white zones or rings and has a fine top for bunching.

BEET—"GOOD FOR ALL"

The roots are very smooth, uniform in size and shape which is almost perfect globular. Can be used at a wide range of sizes;excellent for canning whole at 1¼ inch to 1½ inch diameter, or if allowed to stand will reach a size up to 4 inches in diameter, still retaining excellent quality and color. The skin is smooth and very dark red; the interior color is a uniform dark crimson and is very free from white zones and rings.

Lucullus Swiss Chard

Crosby Improved Beet

MANGEL-WURZELS

GIANT LONG RED MANGEL. Heavy cropper; roots long and thick.

GIANT YELLOW INTERMEDIATE. Roots oval-shaped; enormous yielder.

GOLDEN TANKARD. Has large roots; flesh bright yellow.

GIANT HALF-SUGAR. Rich in sugar, with closer-grained flesh than others. Roots bronze-green above ground and grayish below.

SWISS CHARD

(Spinach Beet)

It is only in recent years that Swiss Chard has received the attention that it deserves, but now that home gardeners are beginning to appreciate its many valuable qualities, it is growing in popularity at a remarkable rate. Swiss Chard is a type of Beet growing all to top instead of root. The leaves are long and broad with thick stalks and mid-ribs, and are produced in great abundance. The leafy portion on either side of the midribs is cooked like Spinach.

LUCULLUS. The most popular variety. Leaves attractively crinkled and curled, and of extra-fine quality. Plants grow about 2 feet tall.

LARGE SILVER-RIBBED. Larger growing than Lucullus, with smooth, or slightly crinkled, light green leaves and broad, white ribs.

GARDEN BEETS	Pkt.	Oz.	¼ lb.	Lb.
Detroit Dark Red	$ .10	$ .15	$ .40	$ .85
Egyptian	.10	.15	.40	.85
Crosby's Improved	.10	.15	.40	.85
Early Wonder	.10	.15	.40	.85
Perfected Detroit	.10	.20	.50	1.00
"Good for All"	.10	.20	.50	1.00
MANGEL-WURZELS				
Giant Long Red Mangel	..	.10	.25	.60
Giant Yellow Intermediate	..	.10	.25	.60
Golden Tankard	..	.10	.25	.60
Giant Half Sugar	..	.10	.25	.60
SWISS CHARD				
Lucullus	.10	.15	.40	.85
Large Silver-Ribbed	.10	.15	.40	.85

Bohnen (Ger.) # BEANS, Bush or Dwarf Varieties *Fagiuoli* (Ital.)

One pound will plant about 50 ft. of row.

Beans are among the most satisfactory vegetables for the home-garden, since they thrive in all sections and on a great variety of soils. While they will, of course, do best on soils well enriched with manure, good crops of Beans may be raised even on poor soil, providing you plant prolific kinds and cultivate freely. As a rule it is not safe to plant Beans until the ground has become thoroughly warm, generally after the middle of May, and they may be sown any time from then on up to August 1. The rows should be placed from 2 to 2½ feet apart, and seeds dropped about 4 inches apart in the row, to be covered with from 2 to 3 inches of soil, the greater depth in light soils, shallower in heavy soils. The pods should never be picked while the vines are wet, as this will spread rust and leaf-spot disease, cutting short the crop, besides making the pods unfit for use. Successive sowings of 20-foot rows, made at intervals of about two weeks, will give a plentiful supply of Snap Beans for a family of five throughout the season. Throughout July sow varieties which will require less than 65 days in which to bear pods.

THE BEST GREEN-PODDED BUSH BEANS

TENDERGREEN. New bush bean described fully on page 5.

BOUNTIFUL. This is perhaps the finest all-round, flat-podded, green Bush Bean in cultivation today. It surpasses in bearing qualities and as a reliable cropper most other varieties, and it stands alone in its adaptability to widely varying climatic and soil conditions. It will bear loads of handsome pods, as shown in picture opposite, within 55 days from date of planting, and we have known a 15-foot row to yield a bushel of pods from the time the plants started bearing until the first frost. If there is any one Bean that deserves the title of "The Bean for the Home Garden," it is Bountiful among the Green-pods.

BURPEE'S STRINGLESS GREEN-POD. The earliest round-podded Bush Bean, and a splendid variety for every purpose. The first pods are ready to pick within 50 days from sowing and, if kept picked, the plants will continue to bear for a long period. The pods are round, full, and fleshy, absolutely stringless at all stages, remaining crisp and tender until the seed is fully developed. Does particularly well on heavy clay soils.

FULL MEASURE. A well-named, round-podded green, stringless Bush Bean of extraordinary yielding power. The plants are thrifty and bear early, generally within 60 days after seeds are sown. Pods average 6 to 6½ inches long, vary from slightly curved to straight, are deeply saddle-backed, tender, and of finest quality.

GIANT STRINGLESS GREEN-POD. Also sold as Giant Stringless Valentine. A most dependable yielder of handsome, round-podded Beans which are fleshy and absolutely stringless at all stages of development. Slightly later in season than Bountiful but an unusually heavy bearer and a fine variety to plant for a succession crop after the first earlies. Both Giant Stringless and Burpee's Stringless Green-Pod are particularly recommended for heavy clay soils.

KEENEY'S STRINGLESS GREEN REFUGEE. It took many years of careful breeding to produce this Bean in which every bit of the stringiness of the standard Refugee varieties has been eliminated. In season, Stringless Green Refugee comes between the two varieties offered above. It is just as prolific and, in addition to its other good Refugee qualities, it has been found to be a particularly fine Bean for canning.

MASTERPIECE. A superior variety for growing under glass; very early and prolific. The pods attain a length of 7 inches, straight, tender, meaty and stringless.

Bountiful Beans

VARIETIES GROWN FOR DRY SHELL BEANS

These are mostly late-maturing varieties, not suitable for use as "snap-shorts" in the green stage (with the exception of Dwarf Horticultural which is a dual-purpose kind). They are grown extensively for dry Beans for winter use.

WHITE MARROWFAT. Large, plump, white Beans—finest for baking.

SNOWFLAKE NAVY. An improved strain of the common, small Navy Bean, earlier and more productive.

DWARF HORTICULTURAL. Furnishes green-shelled Beans of the finest quality. The strain we offer is entirely stringless, hence the pods may be used as "snap-shorts" in the green stage.

WHITE KIDNEY. Desirable for Shell Beans. Seeds large, white, kidney-shaped, and of excellent quality.

RED KIDNEY. Like White Kidney except in the color of the seed. Very popular for baking and for soups.

BEANS—DWARF GREEN	Pkt.	Lb.	2 lb.	5 lb.	10 lb.	Bu. 60 lb.
Tendergreen	$ .10	$ .35	$ .60	$1.25	$2.00	$9.00
Bountiful	.10	.30	.50	1.00	1.75	8.00
Burpee's Stringless	.10	.30	.50	1.00	1.75	8.00
Full Measure	.10	.30	.50	1.00	1.75	8.00
Giant Stringless	.10	.30	.50	1.00	1.75	8.00
Keeney's Stringless Ref.	.10	.30	.50	1.00	1.75	8.00
Masterpiece	.25	.75	1.25	..	..	..
DRY OR SHELL						
White Marrowfat	.10	.30	.50	1.00	1.75	8.00
Snowflake Navy	.10	.30	.50	1.00	1.75	8.00
Horticultural Dwarf	.10	.35	.60	1.25	2.00	9.00
White Kidney	.10	.30	.50	1.00	1.75	8.00
Red Kidney	.10	.30	.50	1.00	1.75	8.00

Pencil Pod Black Wax Beans

YELLOW or WAX-PODDED BUSH BEANS

THE BEST FLAT-PODDED KINDS

One pound will plant about 50 ft. of row.

SURE-CROP STRINGLESS WAX. The most thoroughbred flat podded Wax Beans introduced. Produces its handsome 6-inch pods in 55 days after the seed is sown. The pods are rich yellow, perfectly stringless and of the finest quality.

WARDWELL'S KIDNEY WAX. An excellent early variety which for years has been considered by market-gardeners the standard of quality for family trade. Its creamy yellow pods average 6 inches long and are broad and decidedly flat, brittle and stringless until full-grown.

THE BEST ROUND-PODDED WAX BEANS

ROUND-POD BRITTLE WAX. Undoubtedly the handsomest of all round-podded Wax Beans and surely of superlative quality. It commences to bear its meaty, slightly curved pods in about 60 days after planting and continues to bear for the greater part of a month. On rich soils, the plants make quite a vigorous growth and, to avoid crowding, the beans should be dropped at least 5 or 6 inches apart.

PENCIL-POD BLACK WAX. This is the best strain of Prolific Black Wax in cultivation today. In productiveness it compares very favorably with Brittle Wax and Hardy Wax, commencing to bear in about 65 days from planting. The pods average from 6 to 7 inches long, varying from straight to slightly curved. In appearance they are most attractive, being slender and perfectly round, bright yellow in color, meaty and stringless at all stages, and of exceptionally fine quality.

POLE BEANS

GREEN-PODDED VARIETIES

One pound will plant 100 hills.

KENTUCKY WONDER or Old Homestead. A splendid "old-reliable," the most popular of all the Pole Beans. It is a vigorous grower, doing well on almost any soil, commencing to bear in about 85 days after sowing and continuing for a long season. The pods are produced in clusters and are deep green in color, round and meaty, often 9 inches long, tender and stringless when young, always of the finest quality.

WHITE-SEEDED KENTUCKY WONDER or Burger's Green-Pod Stringless. Earlier than Kentucky Wonder and remains longer in bearing. Pods 6 to 8 inches long, borne in clusters, dark green in color, meaty and stringless.

LAZY WIFE. An extremely productive sort, bearing broad, thick, flat pods, 4 to 6 inches long; stringless at all stages, tender and rich in flavor.

HORTICULTURAL POLE. A good producer of large, fleshy pods and the best variety for Shell Beans, which are of the finest flavor.

SCARLET RUNNER. Grown for its showy red blossoms, as well as for the Beans which are generally shelled and cooked like Limas.

YARD-LONG ASPARAGUS. A bean yielding narrow pods of enormous length of an Asparagus-like flavor.

WAX-PODDED VARIETIES

KENTUCKY WONDER WAX. So named on account of its resemblance to the green-podded Kentucky Wonder. A vigorous and immensely productive variety; extremely early, the first pods being ready for picking in 75 days from planting.

GOLDEN CLUSTER WAX. Following Kentucky Wonder Wax in maturity by about 10 days, this variety produces big clusters of very broad, flat but thick pods of a light waxy yellow color and delicious flavor. The pods will grow 7 inches long by 1 inch broad.

BEANS—DWARF WAX	Pkt.	Lb.	2 lb.	5 lb.	10 lb.	Bu. 60 lb.
Sure-Crop Stringless	$ .10	$ .30	$ .50	$1.00	$1.75	$8.50
Wardwell's Kidney	.10	.30	.50	1.00	1.75	8.50
Round Pod Brittle	.10	.30	.50	1.00	1.75	8.50
Pencil Pod Black	.10	.30	.50	1.00	1.75	8.50
POLE GREEN-PODDED						
Kentucky Wonder or Old Homestead	.10	.35	.60	1.25	2.00	9.00
White Seeded Kentucky Wonder	.10	.35	.60	1.25	2.25	10.00
Lazy Wife	.10	.35	.60	1.25	2.25	10.00
Horticultural	.10	.35	.60	1.25	2.25	10.00
Scarlet Runner	.10	.35	.65	1.50	2.50	12.00
Yard Long Asparagus	.15	.75	1.25	..	..	..
POLE WAX-PODDED						
Kentucky Wonder Wax	.10	.35	.65	1.50	2.50	12.00
Golden Cluster Wax	.10	.35	.65	1.50	2.50	12.00

Kentucky Wonder Pole Beans

LIMA BEANS

Lima Beans are considered by many to be the finest of all Beans, and certainly there are few vegetables as delicious as green Lima Beans fresh from the garden. The Limas are not hardy and, under no circumstances should the seed be planted before the middle of May. Best results are obtained on a warm, medium light and well-drained soil. North of Pennsylvania only the early maturing bush varieties should be grown. Old gardeners claim that the seed germinates better if planted with the eye down.

Fordhook Bush Lima Beans

DWARF or BUSH VARIETIES

1 pound will plant 50 ft. of row.

The Bush Lima Beans bear earlier and are valuable therefore, in cool sections and for early market. Moreover, they take up less room than the climbing sorts in the small garden. Sow the seed in rows 2 to 3 feet apart, dropping the seeds every 4 inches and thinning the plants to stand 8 to 10 inches apart in the rows.

EXTRA-EARLY GIANT. This comparatively new variety is the earliest of all the large-podded Bush Limas. The Beans are large, similar in size and shape to those of the Giant Improved Bush Lima, and of equally good quality. They are ready for picking, a full 10 days earlier. however, and are produced in even larger quantities. Extra-Early Giant is a decided acquisition as it makes it possible to grow Lima Beans farther north than ever before.

BURPEE'S GIANT IMPROVED. A very productive variety, maturing at the same time as Fordhook. The plants are unusually large and vigorous; the pods are of enormous size and are often borne in clusters of from 5 to 8; the Beans are larger than those of any other sort, flat and of fine quality.

FORDHOOK. The most perfect variety of the Potato Lima type. The Beans are large, very thick and mealy, and of the finest quality. The pods are borne in clusters of from 4 to 8, with 4 or 5 Beans to the pod; the plants are strong and erect in growth. Fordhook Bush Lima, besides being one of the most productive, is valuable on account of its earliness, as it matures shortly after Extra-Early Giant and before any of the other kinds.

WOOD'S PROLIFIC. This is the Dwarf Sieva or "Butter Bean" of the South, and a favorite for canning. The Beans are small but of unsurpassed flavor. The plants are strong and compact, medium early and productive. Wood's Prolific is an improved form of the older Henderson's Bush Lima.

POLE LIMA BEANS

1 pound will plant 75 hills.

These mature later but are much more productive than the Bush sorts. They are grown in the same manner as the edible-podded Pole Beans, described on the previous page, except that the seed should not be planted until after the middle of May.

NEW GIANT-PODDED POLE LIMA. The largest podded and heaviest yielding Lima Bean in cultivation.

CARPINTERIA. A splendid variety, combining high quality with unusual bearing power. The vines are strong, bearing early and profusely; the pods generally contain 4 large Beans which are thin-skinned, very tender and of a fine flavor. The Beans of the Carpinteria Pole Lima have a green tint even when fully ripe, which is a sure indication of quality.

EARLY LEVIATHAN. The earliest of the Pole Limas; very prolific; pods extra-large, containing 3 or 4 Beans of fine quality.

KING OF THE GARDEN. Following Carpinteria in season, this is perhaps the most productive of the Pole Limas as it continues to bear until cut down by frost. The vines are unusually strong and luxuriant in growth; consequently, it is best to allow only two vines to the hill.

CAROLINA or Sieva. The small-seeded variety so popular in the South. Medium late but very prolific; unsurpassed in quality.

BUSH LIMA BEANS	Pkt.	1 lb.	2 lbs.	5 lbs.	10 lbs.	Bu. 60 lbs.
Extra-Early Giant	$ .10	$ .40	$ .70	$1.50	$2.75	$13.00
Burpee's Giant Improved	.10	.40	.70	1.50	2.75	13.00
Fordhook	.10	.40	.75	1.65	3.00	15.00
Wood's Prolific	.10	.35	.65	1.35	2.50	12.00
POLE LIMA BEANS						
New Giant Podded	.10	.35	.65	1.35	2.50	12.00
Carpinteria	.10	.35	.65	1.35	2.50	12.00
Early Leviathan	.10	.35	.65	1.35	2.50	12.00
King of the Garden	.10	.35	.65	1.35	2.50	12.00
Carolina or Sieva	.10	.35	.65	1.35	2.50	12.00

King of the Garden Pole Lima Beans

CABBAGE

Kopf Kohl (Ger.) *Cavolo* (Ital.)

One ounce will produce about 3000 plants

Seed sown in hotbed or greenhouse about February 15 will give plants large enough to transplant into hotbeds about March 10. Set them 2 to 3 inches apart each way, and as soon as they become well established, remove the glass for part of the day, to harden them for final transplanting into the open ground, increasing the exposure daily until April 10 to 20, when the final transplanting may be made. For late crops, sow the seed in April or May and transplant to the open ground when large enough, setting the plants up to the first leaf and 2 to 3 feet apart. It is important that the plants should not stand thick in the seed-beds, as this would induce weak, slender growth. The insects which molest them should be kept in check with remedies which seem most efficacious in the locality. (See Insecticides page 68).

Enkhuizen Glory Cabbage

EARLY and SECOND-EARLY VARIETIES

EXTRA-EARLY JERSEY WAKEFIELD. One of the leading early Cabbages, equally popular for home use and market, maturing perfect heads in from 100 to 110 days from sowing. The heads are of medium size, pyramidal and pointed, firm and solid, with few outside leaves, remarkably uniform in size and time of maturing. Quality excellent.

LARGE CHARLESTON WAKEFIELD. A selection from the preceding, maturing about 10 days later. The heads are considerably larger, oblong and pointed.

EARLY ALLHEAD. The largest of the flat-headed, early Cabbages. The heads are very solid, uniform in size and maturity, and of excellent quality. A sure header, adaptable to many soils, equally good as a winter Cabbage.

ALL SEASONS or Succession. A little later than Early Allhead. Heads larger and thicker; good for early and late crop. A very satisfactory, all-round Cabbage.

COPENHAGEN MARKET. The earliest of the round-headed Cabbages. Copenhagen Market has within a few years become immensely popular and is now more largely grown than any other variety for early market. Within 110 days from sowing it will mature fine, round, solid heads averaging 8 to 10 pounds in weight, and will compare favorably in yield per acre with any other variety, early or late. Copenhagen Market does best on rich, moist bottom-lands.

GOLDEN ACRE. In the amazingly short period of 80 days from sowing, Golden Acre matures hard, round heads uniform in size and growth, with few outer leaves.

WISCONSIN YELLOW RESISTANT. An improved strain of the all-seasons type has been carefully selected for resistance to "the yellows." The flattened heads grow to medium size and are very heavy.

STEIN'S DWARF FLAT DUTCH. An excellent large early flat variety producing solid heads that mature with early summer, short stems with comparatively few outer leaves, much earlier than the Late Flat Dutch type.

CABBAGE	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
Early Jersey Wakefield	$ .10	$ .20	$ .30	$ .75	$2.50
Large Charleston Wakefield	.10	.20	.30	.75	2.50
Early Allhead	.10	.20	.30	.75	2.50
All Seasons or Succession	.10	.20	.30	.75	2.50
Copenhagen Market	.10	.20	.35	1.00	3.00
Golden Acre	.10	.25	.40	1.25	4.00
Wisconsin Yellow Resistant	.10	.25	.40	1.25	4.00
Stein's Dwarf Flat Dutch	.10	.20	.30	.75	2.50
Enkhuizen Glory	.10	.20	.35	1.00	3.00
Penn State Ballhead	.15	.30	.50	1.50	5.00
Surehead	.10	.20	.30	.75	2.50
Large Late Flat Dutch	.10	.20	.30	.75	2.50
Short-Stem Danish Ballhead	.10	.20	.30	.75	2.50
Perfection Drumhead Savoy	.10	.20	.30	.75	2.50
Mammoth Rock Red	.10	.20	.35	1.00	3.00
Red Danish Stonehead	.10	.20	.35	1.00	3.00
CHINESE or CELERY CABBAGE					
Chihli	.10	.20	.35	1.00	3.50
Wong Bok	.10	.20	.35	1.00	3.50

Enkhuizen Glory. Following closely after Copenhagen Market, this variety combines earliness, size and quality in a remarkable degree. In size and shape it closely resembles the Copenhagen Market and stands second only to that variety in yield. It does particularly well on moist clay upland soils and, on account of its greater adaptability, it is very satisfactory for home gardens. We recommend Enkhuizen Glory as one of the best all-around early Cabbages.

MAIN-CROP AND LATE VARIETIES

PENN STATE BALLHEAD. Is probably the heaviest yielding Cabbage in existence. Will outyield the average strain of Danish Ballhead by from 8 to 10 tons per acre under favorable conditions. Tested records show a production of 26 tons per acre.

SUREHEAD. An extra-select strain of the Late Flat Dutch type, producing big, solid heads, very uniform in shape and size, and of splendid keeping quality. The most reliable late Cabbage for the home garden.

LARGE LATE FLAT DUTCH. An excellent keeping variety; more extensively grown for main crops than any other sort. The heads are heavy, broad and flat, very solid and of good quality.

SHORT-STEM DANISH BALLHEAD or Roundhead. Dwarf-growing and a little earlier but otherwise similar to the tall-stemmed type. This variety is a big cropper, with large, heavy heads, withstanding severe drought.

SAVOY and RED VARIETIES

PERFECTION DRUMHEAD SAVOY. The best all-round variety for American conditions. Good-sized, solid heads, with attractively curled and savoyed deep green leaves. In flavor it surpasses all other Cabbages and the flavor is improved by freezing. The heads may be left standing in the garden all winter until wanted for the table.

MAMMOTH ROCK RED. A very select strain with large, solid, somewhat flattened heads. The favorite Cabbage for pickling.

RED DANISH STONEHEAD. Heads perfectly round and extremely solid; large in size; deep purplish red, showing but slight traces of white.

CHINESE or CELERY CABBAGE

CHIHLI. Earliest and most sure head of the Chinese variety, plants of upright growth, very broad leaves and white cylindrical heads 2 feet in length and of superior quality.

WONG BOK. A distinct variety of more compact growth and broader heads. This is a very reliable sort for both home and market-gardens, since it is a sure header, even under contrary conditions, and stands long before sending up seed-stalks. Crisp and tender, with a piquant flavor.

Gelbe Rübe (Ger.)

CARROT

Carota (Ital.)

One ounce will sow 100 ft. of row.

Carrots succeed best on heavy loam, which has been well fertilized the previous year, as fresh manure often causes the roots to grow pronged and misshapen. Sow the seed early in the spring, firming the soil down over it. Make succession sowings every ten days up to the end of June, and put in a few extra rows about June 15 for winter use.

RED CORELESS. The earliest carrot that grows to good size, also one of the newer varieties. Roots are uniform in size and shape, 6 to 7 inches long and 1½ inches in diameter, blunt pointed, rich orange red skin and flesh, absolutely no core. This is a very good variety and one which we can thoroughly recommend.

CHANTENAY or Model. A Carrot of many good qualities and a popular variety in all parts of the country. The roots grow quickly and are broad-shouldered, tapering slightly to the abrupt point, smooth and very handsome in appearance. The flesh is deep orange and of the finest quality even in the largest roots. A splendid winter keeper.

DANVERS HALF-LONG. A grand old favorite, extensively grown for market and a desirable variety for every purpose. The roots grow 6 to 8 inches long and are nearly cylindrical, abruptly pointed at the base. The flesh is bright orange, fine-grained and free from fiber. A good cropper.

HALF-LONG LUC. This particular strain of half-long, stump-rooted Carrot is in great demand among our most critical customers. It is somewhat earlier than Danvers and the roots are a trifle thicker, remarkably symmetrical, and deep orange-red in color, having but the faintest indication of a core. In quality it is unsurpassed and, at the same time, it is most productive. On good soils under favorable conditions, it will yield up to twenty-five tons per acre.

RED-CORED CHANTENAY. This new strain shows many improvements over the well-known Chantenay. The collars are small and the tops are slightly shorter but are not brittle and are strong enough for easy bunching. The clean roots are smooth and very symmetrical, from the broad square shoulders tapering nicely to a very pronounced stump root just above the very small rat-tail root. They are colored deeper orange than most strains of Chantenay. The cores are small and hard to distinguish from the flesh and both core and flesh are fine-grained, tender and sweet. The crop matures just a little earlier than with ordinary Chantenay.

OXHEART, or Guerande. Thick and very blunt-rooted; 5 inches long and 3 to 4 inches in diameter; deep reddish orange; tender and of fine flavor. A very heavy cropper, easy to pull and a fine home-garden Carrot.

EARLY SHORT HORN (French Forcing) Used largely for early and late sowing outdoors and for forcing under glass. Crisp, reddish-orange roots about 3 inches long and 1½ inches in diameter with small tops.

IMPROVED LONG ORANGE. Very long, pointed roots of good quality. A heavy yielder; extensively grown. Useful for stock feeding as well as the table.

Chantenay or Model Carrots

CHICORY

1 oz. will sow 100 ft. of row.

WITLOOF or **French Endive.**

LARGE ROOTED MAGDEBURG. This variety is cultivated for the roots. The roots can be boiled and served like Salsify.

Stech Salat (Ger.)

CORN SALAD

One ounce will sow 100 ft. of row.

Sow the seed thickly in shallow drills in September, and firm the soil well down above it, if the weather be dry. Highly appreciated, and much grown where other salads and lettuces do not succeed. Prepared in the same manner as lettuce and makes an excellent dish. An ounce of seed will sow a bed 20 feet square.

BROAD LEAVED. Has large, tender leaves.

Kresse (Ger.)

CRESS

Crescoine (Ital.)

Excellent spicy spring salads. Pepper Grass should be sown thickly in shallow drills in early spring, and at intervals for continued supply, as it soon runs to seed.

EXTRA-CURLED, or **Pepper Grass.** Of pleasant pungent flavor; the leaves can be cut several times.

WATER CRESS. Small, oval leaves; very tender, crisp and pleasantly spicy when young. Plants of dwarf, spreading habit. A perennial aquatic, which grows well in any running stream.

Blatter Kohl (Ger.)

COLLARDS

One ounce will produce 3000 plants

GEORGIA. Cultivate same as Cabbage, of which it is really a tall loose-leaved form. Grows 3 feet high, forming a cluster of undulated leaves at the top of its long stem.

CARROT	Pkt.	Oz.	¼ lb.	Lb.
Red Coreless	$ .10	$ .25	$ .60	$1.50
Chantenay or Model	.10	.20	.50	1.25
Danver's Half-Long	.10	.20	.50	1.25
Half-Long Luc	.10	.20	.50	1.25
Red Cored Chantenay	.10	.20	.50	1.25
Oxheart or Guerande	.10	.20	.50	1.25
Early Short Horn	.10	.20	.50	1.25
Improved Long Orange	.10	.20	.50	1.25
CHICORY				
Witloof	.10	.25	.65	1.50
Large Rooted Magdeburg	.10	.25	.65	1.50
COLLARDS				
Georgia	.10	.20	.50	1.25
CRESS				
Extra Curled	.10	.15	.30	.75
Water Cress	.10	.50	1.50	5.00
CORN SALAD				
Broad Leaved	.10	.20	.50	1.25

CELERY

Sellerie (Ger.) *Sedano* (Ital.)

One ounce will produce 3000 plants

Celery can be grown in any garden soil, but the finest is produced in deep, mellow bottomland. Seed for early crops should be sown in hotbeds about March 15. The plants may be either thinned to give them room to grow, or transplanted to another bed to grow until it is time to plant them in the open ground. For main crop, seed should be sown in the open as soon as the soil and air are warm enough. They should be covered lightly, and firmly pressed into the earth with a board, if the soil is fine and mellow. The seed-bed must be kept free from weeds, and well watered in dry weather. When the plants are large enough, transplant them to shallow trenches or furrows, from 4 to 6 feet apart, according to the variety grown.

FLORIDA GOLDEN. Introduced in 1932, Florida Golden has after exhaustive tests proven that it is a superior, very early variety and remarkably well adapted for early fall Celery in northern sections. The plants are 22 to 25 inches tall, compact, full hearted and pack well in crates. The edible stalks which are 8 to 10 inches long, blanch readily, are thick, crisp and of splendid flavor. The foliage is slightly darker green than Golden Plume. The stems are broad, thick, solid and the plants are full hearted and very compact. The hearts of "Florida Golden" blanch to a rich cream color of exceptionally fine quality and excellent flavor. The stems are crisp and free from strings. Florida Golden will fill the needs of the shipper, the market grower, and the home gardener for this type.

GOLDEN PLUME or Wonderful. This new Celery has made a sensation among the market-growers who have tried it. Closely resembles Golden Self-blanching but matures a little earlier and blanches more readily. Moreover, it seems to be particularly resistant to Celery diseases. Has a large solid heart which blanches to a beautiful yellow.

WHITE PLUME. Tall growing; extra-early. Easily blanched, and one of the very handsomest sorts grown. In large plants the stalks, hearts, and inner leaves become white without any blanching.

EASY BLANCHING. An early variety which blanches with remarkable ease and is suitable for both early use and winter keeping. It is of upright habit with thick, brittle stock and heavy heart.

GOLDEN SELF-BLANCHING (American-grown seed) Dwarf, compact, early variety, easy to blanch. Large, solid, golden-yellow hearts of nutty flavor and quite crisp.

THE WINTER KEEPERS

EMPEROR. A green Celery for winter use; dwarf in habit. Stalks smooth and very thick. Blanches white with heart tinged yellow. In eating quality, it is unequalled being unusually meaty and brittle with a rich nutty flavor.

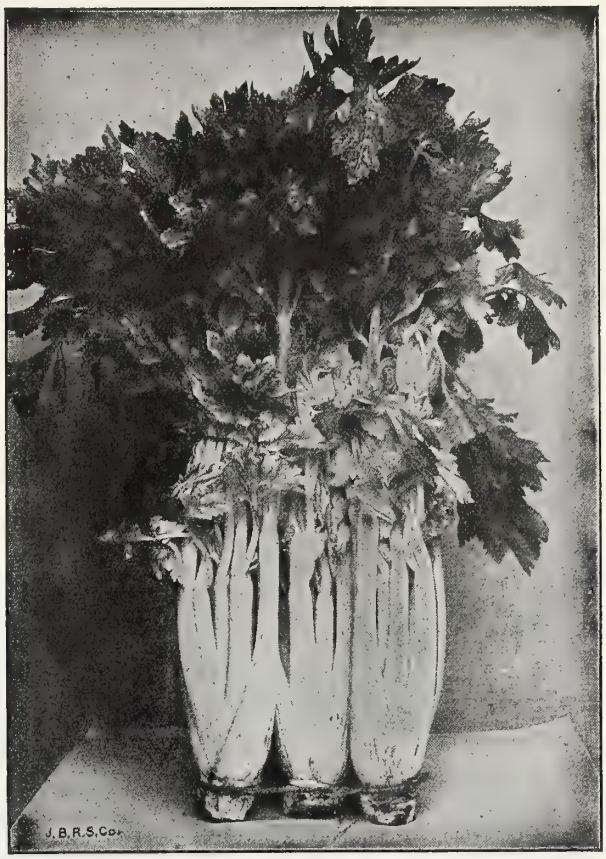
GIANT PASCAL. The stalks are broad, thick, and about 2 feet high; blanches quickly; rich nutty flavor; tender, crisp.

WINTER QUEEN. Of medium height and strong, robust growth; stalks thick and heavy, with numerous hearts; perfectly solid, rich and of delicious nutty flavor; a fine winter keeper.

STANDARD BEARER. A splendid red variety of compact and sturdy habit, robust growth and superior quality. The unique rich flavor of the red Celeries is highly appreciated.

CELERIAC

PRAGUE GIANT. Grown for the large, turnip-shaped roots which, when boiled, become quite tender and possess a strong Celery flavor.



Florida Golden Celery

CAULIFLOWER

Blumen Kohl (Ger.) *Cavol Fiore* (Ital.)

One ounce will produce 3000 plants

BECKERT'S SUPER SNOWBALL. A very vigorous strain that is quite resistant to weather conditions. Head is perfectly protected by leaves and is fit for the table four months after sowing the seed. Large snow-white heads of finest texture. Recommended for forcing and out-of-doors.

SELECTED SNOWBALL. An early, compact strain with solid, white heads which keep in condition a long time. The outer leaves are erect which tends to protect the heads from the hot sun.

DANISH GIANT or Dry Weather. Not quite as early as Snowball, but produces equally as perfect a head. Withstands dry weather better than any other sort.

VEITCH'S AUTUMN GIANT. A distinct late variety with firm, white heads.

CELERY	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
Florida Golden	$ .15	$ .40	$ .75	$2.00	$7.00
Golden Plume or Wonderful	.15	.35	.65	1.75	6.00
White Plume	.10	.30	.50	1.50	5.00
Easy Blanching	.10	.20	.35	1.00	3.00
Golden Self-Blanching	.10	.30	.50	1.50	5.00
Emperor	.10	.20	.35	1.00	3.00
Giant Pascal	.10	.20	.35	1.00	3.00
Winter Queen	.10	.20	.35	1.00	3.00
Standard Bearer	.15	.40	.75	...	...
CELERIAC					
Prague Giant	.10	.20	.35	1.00	3.00
CAULIFLOWER		Pkt.	¼ oz.	Oz.	¼ lb.
Beckert's Super Snowball		$ .40	$1.00	$3.50	$12.00
Selected Snowball		.25	.75	2.50	8.00
Danish Giant		.25	.75	2.50	8.00
Veitch's Autumn Giant		.15	.40	1.25	4.00

Maiz (Ger.)

SWEET or SUGAR CORN

Grano Turco (Ital.)

One pound will plant 150 hills or about 200 ft. row

Sweet Corn likes plenty of heat at all stages of development, and the seeds should not be planted until the ground becomes thoroughly warm, generally the last week in May in this section. While many home-gardeners still adhere to the time-honored practice of planting corn in hills, the modern way of sowing the seeds in straight rows, dropping the kernels 4 inches apart and covering them 2 inches deep, is productive of far more attractive yields in the home-garden.

When the seedlings are from 6 to 8 inches tall, they should be thinned out to stand about a foot apart in the row. Never plant Sweet Corn in long, single rows, but rather in blocks or short rows, allowing 2½ to 3 feet between the rows according to variety. Early in the season, the space between the rows may be utilized by quickly maturing crops such as green onions, radishes, spinach, etc. Slight hilling of the rows will help the Corn stand up against high winds and will also prove instrumental in keeping the cultivator the proper distance from the base of the plants from which extend the top feeding roots which should never be disturbed.

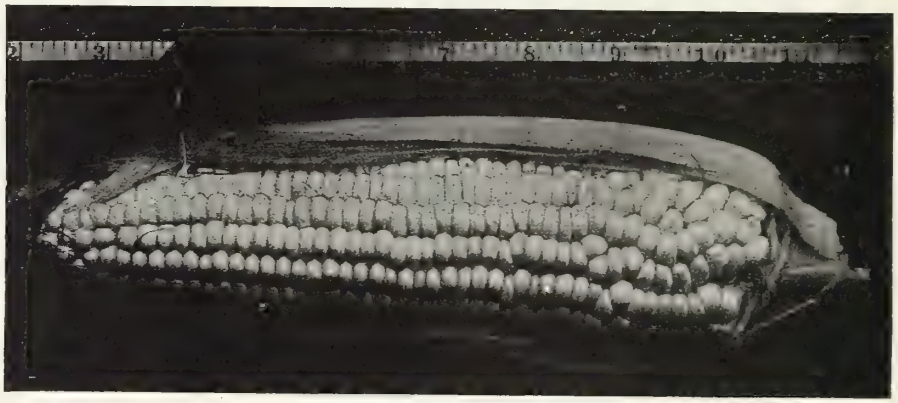
For a constant supply of Sweet Corn from late in July until frost, the home-gardener has the choice of pursuing two courses. He may either select a number of varieties which mature in succession, planting them all at one time; or make repeated sowings at intervals of one week up to the middle of June of a late maturing variety, or up to July 4th on an early variety.

THE FINEST YELLOW VARIETIES

BECKERT'S GOLDEN EVERGREEN

This splendid variety, introduced by us in 1917, has filled a long felt want for a large-eared yellow variety with the true Bantam flavor. Golden Evergreen combines the delicious flavor of Golden Bantam with the evergreen habit of White Evergreen. It is ready for the table about a week after Golden Bantam, but the ears are much larger, being 8 to 10 inches long, with 12 or 14 rows of deep sugary grains, just the right size for eating off the cob.

The husk is abundant, protecting the ears from corn-worm and smut, and this variety is rarely affected by either. If planted about July 4th, the best roasting ears of the season may be gathered from the middle of September until killing frost, late in October. Golden Evergreen is particularly suited for the home garden and for market gardeners who have a discriminating trade.



Beckert's Golden Evergreen

WHIPPLE'S GOLDEN YELLOW. A yellow corn of fine quality and excellent flavor maturing about 5 days after Golden Bantam. Stalks strong and sturdy; ears 7 to 8 inches in length, 12 or 14 rows well filled to the tips with broad kernels of golden yellow.

GOLDEN BANTAM. The first of the yellow Sweet Corns to mature, and still the standard of quality for all Sweet Corns. From early plantings, Golden Bantam is ready for the table in 65 to 75 days, depending on the weather, and it may be planted for succession every week or ten days from early May up to mid-July. While the ears are small, averaging 5 to 6 inches in length they surely are of unsurpassed flavor. The true type always has eight rows of broad, golden yellow grains. Golden Bantam thrives on a great variety of soils and in practically all sections of the country. It is uniformly prolific, producing two or more ears to the stalk. We offer a very select stock of the true Golden Bantam.

BARDEN'S WONDER BANTAM. An early yellow Corn of delicious sweetness and generous sized ears. Growing 5 to 6 feet in height, it developes ears 8 to 10 inches in length, filled with 8 rows of rich golden kernels that appeals to the home or market-gardener who is looking for both quality and quantity. Plant it for a first early and follow in succession with Beckert's Golden Evergreen.

GOLDEN GIANT. A mid-season yellow variety, the result of crossing Golden Bantam and Howling Mob, which matures about one week after Golden Bantam. The quality is excellent, the ears are 8 inches long with 16 or 18 rows, well filled from butt to tip with luscious golden yellow kernels.

GOLDEN ALPHA. Golden Alpha fully meets the demand for a yellow corn of matchless flavor and quality; it is the result of crossing Early White Alpha with Barden's Wonder Bantam. The ears are 8 inches long, cylindrical in shape, and uniform 8 rowed, filled with rich golden yellow kernels.

CORN	Pkt.	Lb.	2 lbs.	5 lbs.	10 lbs.	Bu. 50 lbs.
Beckert's Golden Evergreen	$ .10	$ .30	$ .50	$1.00	$1.75	$7.00
Whipple's Early Yellow	.10	.30	.50	1.00	1.75	7.50
Golden Bantam	.10	.30	.50	1.00	1.75	7.00
Barden's Wonder Bantam	.10	.30	.50	1.00	1.75	7.50
Golden Giant	.10	.30	.50	1.00	1.75	7.50
Golden Alpha	.10	.30	.55	1.10	1.90	8.00

SWEET or SUGAR CORN

THE CHOICEST WHITE VARIETIES

The Early Sorts

EARLY MAYFLOWER. One of the sweetest of the early white varieties. The ears, which average 6 to 7 inches long, are good size considering its earliness. Kernels clear white, plump and tender.

HOWLING MOB. A splendid second-early, producing large ears of handsome appearance and the very finest quality. Vigorous and productive; ears 7 to 9 inches long and 12 to 14-rowed. The best second-early for the home-garden and a fine Corn for every purpose.

The Late Sorts

WHITE EVERGREEN. The finest strain of Stowell's Evergreen in cultivation. Very productive; ears exceedingly uniform, 8 inches long and 16-rowed; kernels a trifle broader and whiter than those of Stowell's. Quality is extra-fine.

COUNTRY GENTLEMAN. The well-known "shoe-peg" Corn, noted for its superb quality. Good-sized ears densely filled with long, narrow kernels, which are irregularly placed on the small cob. Ready at the same time as Stowell's.

STOWELL'S EVERGREEN. The standard late Sweet Corn holds well in prime condition at eating stage; stalks tall and sturdy. Very large ears with deep kernels, sweet and tender.

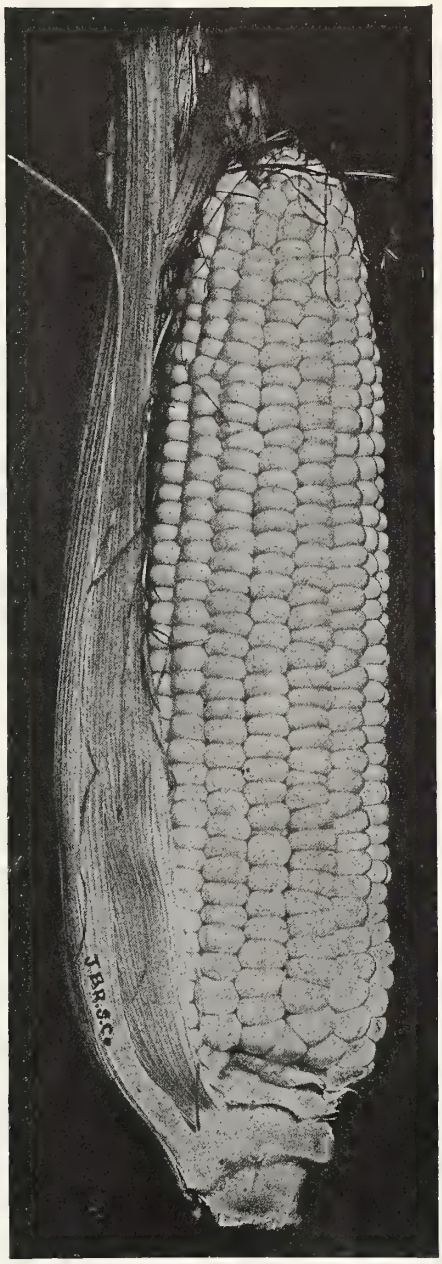
EARLY MAMMOTH. A medium late, large eared type, maturing about a week earlier than Late Mammoth. Ears 10 inches, large white kernels of excellent quality. Popular with market gardeners.

LATE MAMMOTH. A late variety with exceptionally large ears from 10 to 12 inches long; kernels snowy white, plump, sweet and tender. Stalks heavy leaved.

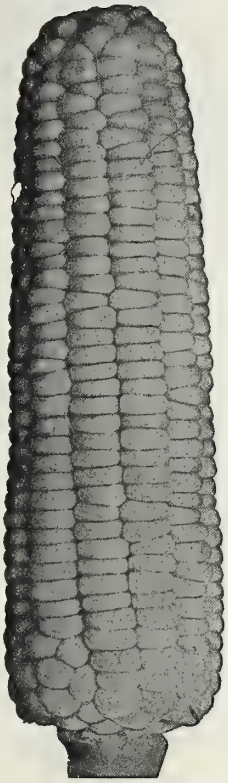
BLACK MEXICAN. A second-early Sweet Corn with bluish black grains when ripe. In the eating stage, before the kernels begin to show any color, it is of superlative quality. Ears 7 to 8 inches long.

POP CORN

WHITE RICE. An early variety with pearly white, pointed kernels; clear white when popped.



White Evergreen



Howling Mob

PROTECT YOUR SEED CORN AGAINST BIRD ATTACKS

USE CRO-TOX

Rids your fields of crows, starlings, blackbirds and other seed-pulling birds.

Small can, treats 1 bu. seed.....$ .60

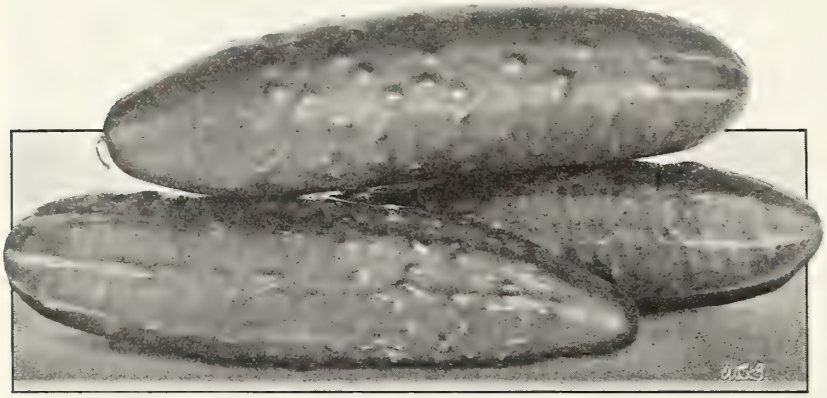
Large can, treats 2 bu. seed.....$1.00

CORN	Pkt.	Lb.	2 lbs.	5 lbs.	10 lbs.	Bu. 50 lbs.
Early Mayflower	$ .10	$ .30	$ .50	$1.00	$1.75	$7.50
Howling Mob	.10	.30	.50	1.00	1.75	7.50
White Evergreen	.10	.30	.50	1.00	1.75	7.00
Country Gentleman	.10	.30	.50	1.00	1.75	7.00
Stowell's Evergreen	.10	.30	.50	1.00	1.75	7.00
Early Mammoth	.10	.30	.50	1.00	1.75	7.50
Late Mammoth	.10	.30	.50	1.00	1.75	7.50
Black Mexican	.10	.30	.50	1.00	1.75	7.50
POP CORN						
White Rice	.10	.20	.35	.....	.....	.....

Gurke (Ger.) THE CHOICEST CUCUMBERS *Cetriola* (Ital.)

One ounce will plant 50 hills; two pounds to the acre.

Sow any time after Decoration Day, in hills about 3 feet apart each way, scattering about 8 to 10 seeds to a hill, and covering them lightly. As soon as seedlings appear, be on the lookout for the little striped beetle which combat by dusting with Slug-Shot or Bug Death and use a Nicotine or Pyrethrum spray for the control of Aphids. When the third pair of leaves is formed, the danger of insect pests is generally past, and the plants should be reduced to three of the strongest per hill. From the time that the vines begin to run, to the time you begin gathering the Cucumbers, the patch should be disturbed as little as possible.



Davis Perfect Cucumbers

LONGFELLOW. This remarkably fine outdoor variety produces long, slender, dark green Cucumbers that have the appearance of, and command the same high market prices as fine-quality hothouse Cucumbers. The fruits are at perfection when 10 inches long and 2 inches in diameter, and when near full maturity are from 12 to 14 inches long and 2½ inches in diameter. Longfellow is a White Spine type but is very smooth, evenly surfaced, and almost entirely colored a rich very dark green. They retain their dark green color when shipped to distant markets. It is less subject to plant-diseases than many other sorts. The vines are quite productive.

EARLIEST OF ALL. The earliest White Spine Cucumber and very prolific. The fruits grow 7 inches long, very full and uniform in shape, with blunt ends and good deep green color, and are produced in profusion at least a week ahead of any of the other White Spine varieties.

ARLINGTON, or **Improved White Spine.** Prolific and early; fruits smooth, about 7 inches long, rounded at both ends and of a bright deep green color; used for forcing, and for outdoor culture.

EARLY FORTUNE. Fruit very dark green, uniformly cylindrical in shape, and about 9 inches long. Flesh thick, fine-grained, crisp, and of fine quality. Extra-early, disease-resistant and extremely productive. Retains its color for a long time; a good shipper and very profitable market variety.

DAVIS PERFECT. Fruit long and slim, tapering at both ends; color rich, dark glossy green, retaining this color until nearly ripe; flesh is tender, crisp, and of fine flavor; few seeds. Very early and a splendid forcing variety.

HENDERSON'S WHITE SPINE. A heavy-bearing main-crop sort, with round thick square-ended fruits, 8 inches long. Good dark color.

FORDHOOK FAMOUS. The largest of the White Spine family. Fruits 14 inches long, smooth, and dark green; very productive.

EXTRA LONG WHITE SPINE. An excellent variety for home and market gardens. Similar to Davis Perfect, but larger. Fruits 10 to 12 inches long and 2½ inches thick, slightly tapered, uniform, dark shiny green.

IMPROVED LONG GREEN. A black spine variety, excellent for slicing; hardy and prolific. Fruits 12 inches long, deep green; flesh very white and crisp.

JAPANESE CLIMBING. Fruits almost straight, large and from 12 to 16 in. long; skin dark green; flesh thick. A profitable variety as it can be trained on walls or trellises.

CUCUMBER	Pkt.	Oz.	¼ lb.	Lb.
Arlington White Spine	$ .10	$ .15	$ .40	$1.00
Early Fortune	.10	.15	.40	1.00
Davis Perfect	.10	.15	.40	1.00
Henderson's White Spine	.10	.15	.40	1.00
Fordhook Famous	.10	.15	.40	1.00
Extra Long White Spine	.10	.15	.40	1.00
Improved Long Green	.10	.15	.40	1.00
Japanese Climbing	.10	.20	.50	1.25
Longfellow	.10	.20	.50	1.25
Earliest of All	.10	.15	.40	1.00
Snow's Perfection Pickle	.10	.15	.40	1.00
Everbearing	.10	.15	.40	1.00
Jersey Pickling	.10	.15	.40	1.00
West India Gherkin	.10	.25	.75	2.00

PICKLING VARIETIES

More compact in habit of growth than the White Spine type, forming more leaf joints and bearing fruits of a shorter or more blocky shape. The plants are exceedingly free-flowering and, there being plenty of pollen available, the young fruits are set quite freely. Where the object is an abundance of small pickles, the varieties listed below deserve your preference. Where Cucumbers are wanted for both slicing and pickling use the varieties described opposite.

SNOW'S PERFECTION PICKLE. The best-formed and productive pickling sort; early, small square-ended and dark green.

EVERBEARING. One of the best producers of large quantities of handsome pickles. If picked regularly, vines will bear a long time.

JERSEY PICKLING. Wonderfully productive; deep green; small and uniform in size.

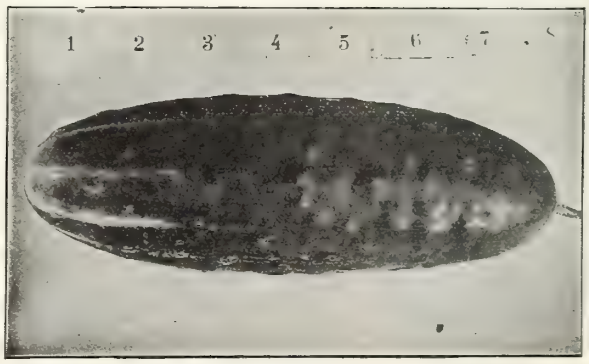
WEST INDIA GHERKIN. Small, rough, prickly fruits, used for pickling.

ENGLISH FORCING CUCUMBERS

These varieties are grown in hotbeds or houses where the temperature does not fall below 65 degrees at night. The fruits are long, and handsome, frequently growing 20 to 30 inches long.

Improved Telegraph **Worthing Favorite**
Lockie's Perfection

Pkt. 15 seeds 25 cts; 5 pkts. $1.00



Early Fortune Cucumber

Eierpflanze (Ger.) **EGGPLANT** *Petonciano* (Ital.)

One ounce will produce about 1000 plants

Sow the seeds in hotbeds in early March, and transplant to small pots, to make them strong and stocky. They should not be planted out until May or June, when the weather becomes warm and settled. Set the plants in rows 3 feet apart each way and give them thorough cultivation. Rich soil is necessary to grow good Eggplants. It pays to dig a shovelful or two of old manure in each hill when setting out the plants.

BLACK BEAUTY. Fruit broad and thick; lustrous purplish black in color; very productive; of excellent quality.

NEW YORK IMPROVED SPINELESS. A strong and productive sort. Fruits deep purple, large, smooth, free from thorns; flesh white, tender.

Black Beauty Eggplant

Endivie (Ger.) **ENDIVE** *Indivia* (Ital.)

One ounce will sow 200 ft. of row

This is an important fall and winter salad. For the early crop, the seed should be sown in April, in drills 15 inches apart, and the seedlings thinned to stand 12 inches apart in the rows. Sowings for the main crop may be made in June and July, as the vegetable is used principally in fall and winter. The inner leaves are blanched by tying the tips of the outer ones together, or by laying boards over the plants.

Large Green Curled Endive

LARGE GREEN CURLED. Dark green leaves, beautifully curled and, when blanched, very crisp and tender; ready for use earlier than other sorts. Our strain is extra fine.

PANCALIER. A strong grower with heavy curled deep green leaves, an easy blanching variety.

GIANT FRINGED. A very strong-growing variety. Broad stems and large white heart. Good for fall and winter. Fine in appearance and quality.

BROAD-LEAVED BATAVIAN (Escarolle). The broad, thick leaves make excellent salads when blanched.

EGG PLANT	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
Black Beauty	$ .10	$ .30	$ .50	$1.50	$5.00
New York Improved	.10	.30	.50	1.50	5.00
ENDIVE					
Large Green Curled	.10	..	.20	.60	1.50
Pancalier	.10	..	.20	.60	1.50
Giant Fringed	.10	..	.20	.60	1.50
Broad Leaved Batavian	.10	..	.20	.60	1.50
KALE					
Dwarf Green Curled Scotch	.10	..	.20	.50	1.25
Dwarf Siberian	.10	..	.20	.50	1.25
Dwarf Blue Curled Scotch	.10	..	.20	.60	1.50
DANDELION					
Improved Thick-Leaved	.15	.40	.75	2.25	8.00

KALE or BORECOLE

Kraus Kohl (Ger.) *Cavolo Riccio* (Ital.)

One ounce will sow 200 ft. of row

Excellent greens for winter and spring use, very hardy; the flavor is improved by frost. For fall use, sow in May and cultivate like Cabbage; for early spring use, sow in August and protect over winter.

DWARF GREEN CURLED SCOTCH. Seldom exceeds 18 inches in height, but rounds out to a diameter of 3 feet. The leaves are bright green, tender, and elegantly curled.

DWARF SIBERIAN. Very hardy. Generally sown broadcast, but can be sown in drills a foot apart in August. Leaves scalloped along the edges.

DWARF BLUE CURLED SCOTCH. Hardy and compact with plume-like leaves of an outstanding bluish-green color, extra fine curled. Tender and of fine flavor.

Dwarf Green Curled Scotch Kale

DANDELION **IMPROVED FRENCH. Thick Leaved.** An early spring salad. Sow early in spring in drills 12 inches apart, and thin out to 6 inches in the row.

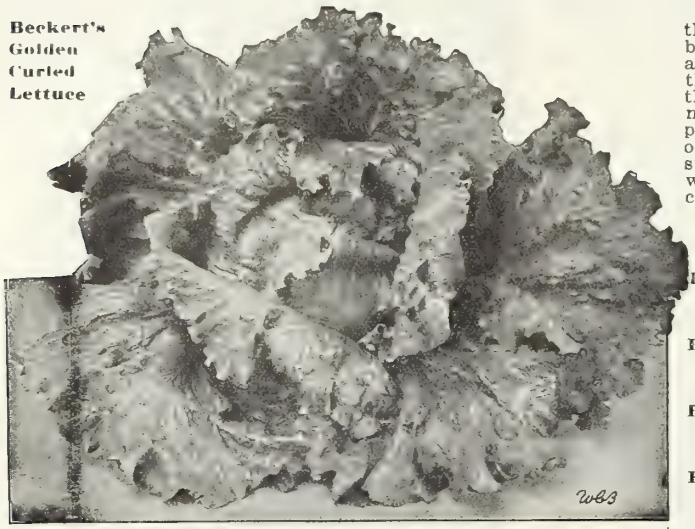
HORSE-RADISH ROOTS **MALINER KREN.** An improved variety that is free from disease, grows quickly and produces roots of enormous size. **50 cts. per doz., $2.25 per 100, $15.00 per 1000.**

Garten Salat (Ger.)

LETTUCE

Lattuga (Ital.)

One ounce will sow 150 ft. of row



Beckert's Golden Curled Lettuce

The first sowing of Lettuce may be made outdoors about the middle of April, at which time the loose-leaf or early butterhead varieties do best. Sow the seed in rows 2 feet apart and the seedlings should be thinned out as soon as they are about 2 inches tall to stand 3 to 4 inches apart in the row. As they transplant readily, the seedings in thinning may be reset in another part of the garden. As the plants develop and begin to touch each other, remove every other one and continue to thin as needed until the plants stand 14 to 18 inches apart and you can get between them with the hoe. For succession, plant the late butterhead or crisphead varieties.

EARLY BUTTERHEAD LETTUCES

These varieties are good for both very early spring and fall sowing. They are quick growers, requiring cool weather for their best development. Make the first sowing as soon as the ground can be prepared in the spring and, for a fall crop, sow again after the middle of July.

MAY KING. Equally fine for forcing and outdoors; of medium size and practically all head; yellowish green in color with the heart blanched to a rich golden yellow.

WHITE BOSTON. Days to maturity 75 to 80. This variety is of great importance to our trade. Every precaution has been taken to insure the purity of our strain. Its brilliant green market appearance is, no doubt, responsible for the consistently high price it commands on the market. We know of no finer strain. Does well in spring and fall.

WAYAHEAD. A very rapid grower and a sure header. It produces handsome, medium-sized, solid heads of the finest quality. Fine for the home-garden.

ALL-HEART. A select strain of the variety, also known as Salamander and Black-seeded Tennisball. Although it is very early and a splendid spring Lettuce, it might also be classed as a mid-season sort for it resists heat well and will head under very unfavorable conditions.

MIDSEASON BUTTERHEADS

ALL SEASONS. Easily the most reliable midsummer Butterhead Lettuce. It even surpasses in "standing" qualities some of the crisphead Lettuces described on Page 47. Fully developed heads average 10 to 12 inches in diameter and, while the outside leaves are a rather dull green, the inside of the heads blanches to a most appetizing yellow.

MAMMOTH BLACK-SEEDED BUTTER. Enormous heads of broad, crumpled leaves. Good early or late but, being very heat-resistant, it is particularly valuable as a summer Lettuce and its quality is excellent even in the hottest weather.

UNRIVALED SUMMER. Makes large, compact buttery heads of fine quality. Resembles White Boston but is suitable for planting at all seasons.

A vegetable garden 50 by 100 feet will furnish an adequate supply of vegetables for a family of six. Smaller families can get along on smaller gardens and where the space is very limited select and specialize on a few favorite vegetables.

LOOSE LEAF VARIETIES

BECKERT'S GOLDEN CURLED. (See illustration.) The best Lettuce in its class for spring and early summer crops. It grows rapidly and forms immense loose heads of tender curled leaves.

BECKERT'S BROWN CURLED. This Lettuce is very much like Beckert's Golden Curled, except in color. The leaves are deeply tinged with reddish brown and of the best quality.

BLACK-SEEDED SIMPSON. A rapid grower, standing heat and drought well and forming large bushy plants. The leaves are light yellowish green, much crumpled and fringed, crisp and of best quality. Always reliable.

EARLY CURLED SIMPSON. A favorite home-garden Lettuce, growing quickly and producing broad, light green leaves, crumpled and fringed, of fine quality. Often sown broadcast and the leaves cut when quite young.

THE MORSE. A vigorous grower, suitable for forcing as well as outdoors. It makes good-sized, compact clusters of crisp, tender, somewhat crumpled leaves, light green outside and blanched to a beautiful light yellow in the center.

GRAND RAPIDS FORCING. The leading variety in its class for forcing and also a good variety for extra-early outdoor gardening. Grand Rapids forms large, loose bunches of thin, bright green leaves, finely crumpled and fringed, handsome in appearance and of very good quality. Our stock of this fine Lettuce is extra choice.

LETTUCE	Pkt.	Oz.	¼ lb.	Lb.
May King	$ .10	$ .20	$ .60	$1.50
White Boston	.10	.25	.75	2.00
Wayahead	.10	.25	.75	2.00
All-Heart	.10	.20	.60	1.50
All Seasons	.10	.20	.60	1.50
Mammoth Black-Seeded Butter	.10	.20	.60	1.50
Unrivalled Summer	.10	.20	.60	1.50
Beckert's Golden Curled	.10	.30	.75	2.50
Beckert's Brown Curled	.10	.30	.75	2.50
Black-Seeded Simpson	.10	.20	.50	1.25
Early Curled Simpson	.10	.20	.50	1.25
The Morse	.10	.20	.60	1.50
Grand Rapids Forcing	.10	.20	.50	1.25

Grand Rapids Forcing Lettuce

CRISPHEAD LETTUCE

ICEBERG. The earliest and one of the largest headers in its class. Ready in about 65 days from sowing. The heads are solid, 6 to 8 inches in diameter, very crisp and tender. A fine hot-weather Lettuce for the home-garden.

HANSON. A very reliable variety under all conditions. Large heads with light silvery green leaves; sweet and crisp. Good for both market and home-garden.

NEW YORK or **WONDERFUL.** The most popular Lettuce of its type; grown in enormous quantities for market. Large heads, requiring about 80 days to reach full size; outer leaves deep green, heads hard and blanched white within; crisp and of finest flavor. Our stock is extra-fine.

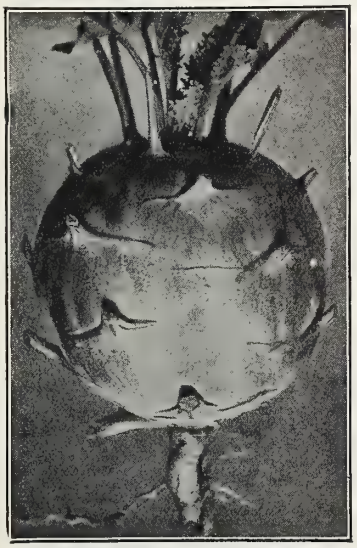
CRISP-AS-ICE. A very compact, bronze-green sort, of delicious flavor and great hardness.

ROMAINE or COS LETTUCE

Also known as Celery Lettuce and Romaine Salad. They produce loose heads of long narrow leaves which are blanched by tying them together at the top.

TRIANON or **PARIS WHITE FOLDING.** A very heat-resistant variety. Long, sugar-loaf-shaped heads of very superior quality.

Iceberg Lettuce



Early Purple Vienna Kohlrabi

KOHLRABI or TURNIP-ROOTED CABBAGE

Kohl-Rabi (Ger.) *Cavola-rappa* (Ital.)

One ounce will sow 250 ft. of row

Very palatable when prepared for the table like turnips. Kohlrabi, however, is way ahead of turnips in quality, while young. Besides, it keeps better on account of its thick skin. The best time to use Kohlrabi is when the roots average 2 to 2½ inches in diameter. If the weather is favorable, the seed should be sown in April, in rows 18 inches apart, and the seedlings thinned to stand 4 to 6 inches apart. They are fit for use when 2 to 3 inches in diameter. For late crops, sow seed in June or July.

EXTRA-EARLY WHITE VIENNA. The earliest variety. The plants grow rapidly and mature fine, round, white bulbs, with tender and delicately flavored flesh. This is an excellent, forcing strain with very small foliage.

EARLY PURPLE VIENNA. Supposed to resist heat better than the White Vienna. Bluish purple roots; flesh white and tender. A very reliable sort.

LEEK

Lauch (Ger.) *Porro* (Ital.)

One ounce will sow 100 ft. of row

Leeks, as a salad, are simply delicious. Boil the white part of the stalks until tender. Then cool and cut into 2-inch pieces; add French salad dressing and serve moderately cold. Used also for seasoning soups and boiling with meats. The seed should be sown in hotbeds in early spring, and the seedlings transplanted later to the open ground, 4 to 6 inches apart, in rows from 12 to 15 inches apart. For winter supply sow seed in the open ground in early spring, and thin the seedlings until they have room for development, or transplant them as above. Store like celery for winter.

AMERICAN FLAG. The variety most extensively cultivated. Stalks early and large.

LARGE CARENTAN. Stalks thick and short; hardy and mild-flavored.

Hoeing the garden lightly from the start of the season will not only keep the weeds in check and the surface soil stirred, but will also prevent too rapid evaporation of the moisture in the soil. The majority of our vegetables consist of 80% water at least and usually more, therefore the quality of the vegetable depends upon its having a sufficient supply of moisture at all times.

The easiest, quickest and most thorough way of cultivating is by the use of the wheel hoe of which a complete assortment to fit the large or the small home garden will be found listed on page 67.

LETTUCE	Pkt.	Oz.	¼ lb.	Lb.
Iceberg	$ .10	$ .20	$ .60	$1.50
Hanson	.10	.20	.60	1.50
New York or Wonderful	.10	.30	.75	2.50
Crisp-As-Ice	.10	.30	.75	2.50
Romaine or Trianon Cos.	.10	.20	.60	1.50
KOHLRABI				
Extra-Early White Vienna	.10	.30	.75	2.50
Early Purple Vienna	.10	.30	.75	2.50
LEEK				
American Flag	.10	.30	.75	2.50
Large Carentan	.10	.30	.75	2.50

American Flag Leek. A great delicacy

MUSKMELON

Muscat Melone (Ger.) **(Cantaloupe)** *Popone Melone* (Ital.)

One ounce will plant about 50 hills

Muskmelon seed should not be planted outdoors until the ground has become warm and dry. The hills should be about 6 feet apart, and carefully prepared. Rich earth is far better for the young plants than manure; but, if the latter must be used, see that it is well rotted. Plant from 6 to 12 seeds in a hill. As soon as the vines begin to run, it pays to go over the patch and spray with Pyrox which will counteract any blight and will effectively stop any foliage-eating beetles. Should the little seedlings be attacked by the little striped beetle, which is also a frequent visitor to the cucumber patch, sprinkle Slug Shot over the seedlings.

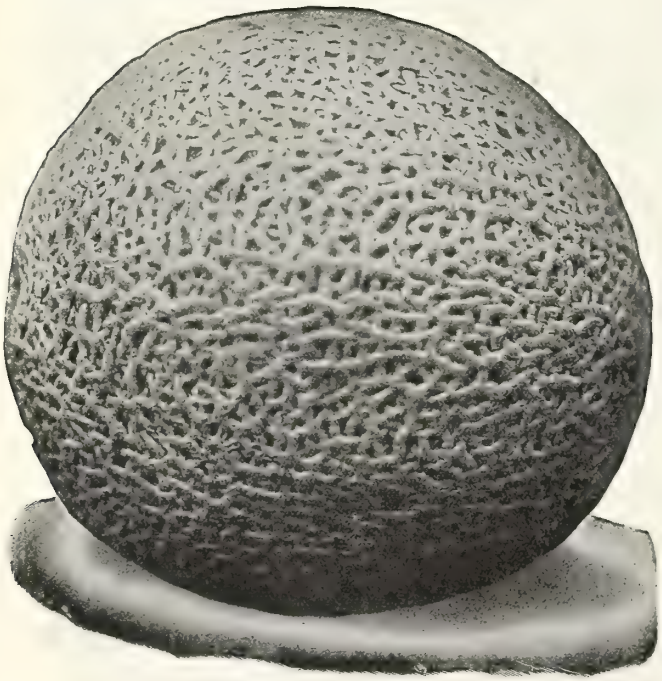
EXTRA-EARLY KNIGHT. Repeated trials have served only to confirm what we claimed for this splendid new Melon when we first offered it to our customers in 1920. It is the earliest, high-quality Melon for the northern states and can be depended upon to mature fine eating Melons when all other varieties fail. Under ordinary conditions, the first fruits will ripen in 90 days from the time the seed is sown. Extra-early Knight Melons are oblong in shape, averaging 6 inches long by 4 inches through, with very small seed cavities and thick, green flesh of a most delicious sugary and aromatic flavor. The skin is deep green, turning to golden at maturity, well covered with a close, gray netting and distinctly ribbed.

NETTED GEM. The original Rocky Ford Melon. A very prolific variety; small, oblong fruits deeply ribbed and well netted; small seed cavity; light green flesh of the very finest quality.

GOLD-LINED ROCKY FORD. An extra-select strain. Small, spherical fruits, very uniform in shape and size, smooth, showing no ribs and covered with a dense, gray netting. The meat is thick and sweet, green with a golden salmon lining next the seed cavity.

CHAMPION MARKET. This might be described as a glorified Rocky Ford—in size if not in quality. The fruits are nearly round, slightly ribbed and densely netted, averaging 6 to 8 pounds in weight. The thick, light green flesh is of delicious quality, which it maintains even after becoming over-ripe.

BENDER'S SURPRISE. A high-class melon of a very delicious flavor and sweetness. The flesh is deep orange and very thick. The large, oval-shaped coarsely but scantily netted melons often weigh from 10 to 15 pounds each. The flesh is so thick and the rind so firm that Bender's Surprise will keep perfectly for a week after picking and the flavor will actually improve.



Rocky Ford Muskmelon

Extra-Early Knight Muskmelon

HONEY DEW. This distinct Melon of the Casaba type will average 8 pounds in weight and 7 inches in diameter; rind smooth, without any netting, thin but tough; flesh light green and of a distinct honey-sweet flavor. An excellent shipping and keeping Melon.

EDWARD'S NEW PERFECTO. Considered by all the large melon growers, as one of the finest salmon fleshed varieties ever grown.

EMERALD GEM. An old standby. Extra-early; slightly flattened in shape; distinctly ribbed and lightly netted; flesh deep salmon-orange, thick and very sweet. A fine Melon for home-gardens.

EXTRA-EARLY OSAGE. A week or ten days earlier than the old type of Osage, or Miller's Cream, slightly smaller but otherwise similar. The fruits are oval in shape, dark green, slightly ribbed and fairly netted; the flesh is exceedingly thick, rich orange in color, and of the highest quality.

GOLDEN CHAMPLAIN. One of the earliest and hardiest, as well as one of the most productive and best quality Melons in cultivation. Fruits of medium size, and nearly spherical, with well-netted skin and deep golden flesh. Our seed comes direct from the originator.

HEARTS OF GOLD. Here is a fair sized melon, larger than Rocky Ford with distinct ribs and quite heavily netted. The rich golden flesh has a most excellent flavor and is very deep, having only a small seed cavity. It is recommended for home or market gardens, while as a shipper its popularity is increasing for the high quality is retained perfectly after traveling long distances.

PAUL ROSE. An old variety; oblong in shape and of good size; flesh solid and deep orange in color; stands shipping well.

TIP-TOP. The standard of quality in large-fruited salmon-fleshed Muskmelons. The fruits vary from round to oblong, ribbed and lightly netted; the flesh is deep yellow, very juicy but always firm and of delicious flavor.

MUSKMELON	Pkt.	Oz.	¼ lb.	Lb.
Extra Early Knight	$ .10	$ .20	$ .50	$1.25
Netted Gem	.10	.20	.50	1.25
Gold-Lined Rocky Ford	.10	.20	.50	1.25
Champion Market	.10	.20	.50	1.25
Bender's Surprise	.10	.20	.50	1.25
Honey Dew	.10	.25	.65	1.50
Edward's New Perfecto	.10	.20	.50	1.25
Emerald Gem	.10	.20	.50	1.25
Extra Early Osage	.10	.20	.50	1.25
Golden Champlain	.10	.20	.50	1.25
Hearts of Gold	.10	.20	.50	1.25
Paul Rose	.10	.20	.50	1.25
Tip-Top	.10	.20	.50	1.25

WATERMELON

Wasser Melone (Ger.) *Melone d'aqua* (Ital.)

One ounce will plant about 30 hills

Plant the seeds in large hills, well enriched with rotted manure, and keep a mulch of strawy manure over the hills to preserve the moisture in hot weather. Sow 10 to 12 seeds in a hill and thin the plants to 4 of the strongest in each hill. All possible protection should be given the young plants; dry ashes or coal-dust sprinkled over the leaves will prevent the attacks of insects. The hills may be 6 to 8 feet apart; do not disturb after the vines begin to run.

KLECKLEY SWEETS. This is one of the most popular of the oblong, dark green, main-crop Watermelons, and probably the finest flavored variety in cultivation. Kleckley Sweets average 20 inches in length by 10 inches in diameter. Flesh bright scarlet, with a solid heart, crisp and remarkably sweet.

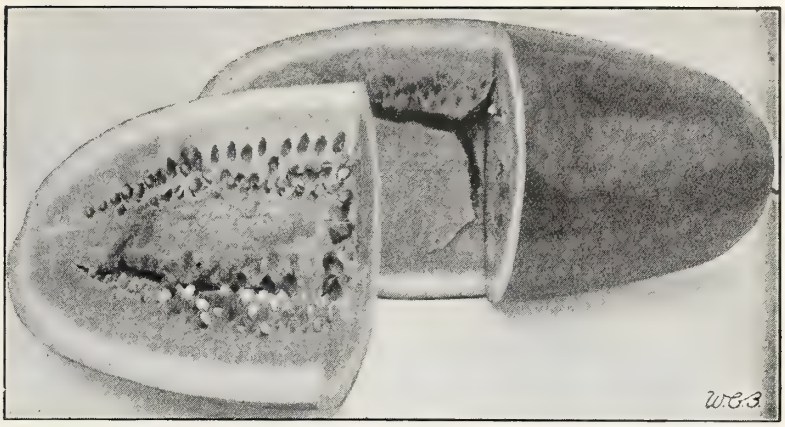
HALBERT HONEY. Resembles Kleckley Sweets in size, appearance and quality but is hardier and a better shipper.

TOM WATSON. The standard shipping Melon. Vigorous and productive, with large, long fruits; rind tough; flesh rich red, sweet and tender.

PEERLESS or Ice Cream. Fruit medium size, oval, bright green, finely veined; flesh bright scarlet, crisp, tender and sweet. A very productive Melon, good for all purposes.

EARLY FORDHOOK. This is the earliest of the really large Watermelons and the most satisfactory home-garden variety for this latitude.

RED-SEEDED CITRON. Used for preserves, etc.



Kleckley Sweets Watermelon

MARTYNIA

proboscidea. The seed-pods are excellent for pickling if gathered when tender and about half-grown. Sow the seed in May, in rows 3 feet apart, and thin the plants to stand 2 feet apart in the rows.

MUSHROOM SPAWN

Few people realize how easy it is to grow Mushrooms, nor how extraordinarily tender and good fresh-pulled home-grown Mushrooms can be.

PURE-CULTURE BRICK SPAWN. White, Cream, and Light Brown, in bricks weighing 1¼ to 1½ lbs. each; one brick will spawn 8 square feet of bed. Per brick 30 cts., postpaid 40 cts., 10 bricks $2.50, 50 bricks $11.00, 100 bricks $20.00, at store.

PURE-CULTURE BOTTLE SPAWN. White, Cream, and Light Brown. This Spawn is very perishable and can be kept only in cold storage. Orders filled direct, f. o. b. factory. Per quart bottle $1.25.

Pamphlet on Mushroom Culture Free

Mushroom grown from Pure-Culture Spawn

MUSTARD

Senf (Ger.) *Mostarda* (Ital.)

One ounce will sow 75 ft. of row

The young and tender leaves of the Mustard are greatly relished as salads, or when cooked like spinach. The seed should be sown in shallow drills as early as the ground can be prepared in the spring.

PERFECTION PLUME. Dark green leaves finely curled, of the very best quality. Rather dwarf in growth. Prolific and long standing.

LONG-STANDING THICK-LEAF or **Elephant Ear.** A strong-growing variety, producing extra-large leaves of a most appetizing pungency. May be sown either in early spring or in late summer for a fall crop.

GIANT SOUTHERN CURLED. Large curled leaves.

WHITE LONDON. Grown for both leaves and seed.

OKRA or GUMBO

Ocher (Ger.) *Ocra* (Ital.)

Grown extensively for the green pods which add a distinct flavor and substance to soups, stews, etc. For winter use, cut pods in slices, dry in the sun and store away. Sow seed about the middle of May in drills 3 feet apart, covering seed 1 inch deep. When 4 to 6 inches high, thin out plants to stand 12 inches apart and cultivate like corn.

WHITE VELVET or **Creole.** Long, smooth, tender pods, almost white.

LONG GREEN-POD. Strong-growing and productive; pods deep green.

Long Green-Pod Okra

WATERMELON	Pkt.	Oz.	¼ lb.	Lb.
Kleckley Sweets	$ .10	$ .20	$ .50	$1.25
Halbert Honey	.10	.20	.50	1.25
Tom Watson	.10	.20	.50	1.25
Peerless or Ice Cream	.10	.20	.50	1.25
Early Fordhook	.10	.20	.50	1.25
Red-Seeded Citron	.10	.20	.50	1.25
MARTYNIA	.10	.50	1.50	..
MUSTARD				
Perfection Plume	.10	.15	.30	.75
Long-Standing Thick-Leaf	.10	.15	.30	.75
Giant Southern Curled	.10	.15	.30	.75
White London	.10	.15	.30	.75
OKRA or GUMBO				
White Velvet	.10	.15	.30	.75
Long Green-Pod	.10	.15	.30	.75

BECKERT'S CHOICE ONION SEED

Zwiebel (Ger.) **One ounce will sow 100 ft. of row** *Cipolla* (Ital.)

Sow the seeds thinly in rows 12 to 18 inches apart. As soon as the seedlings are 3 to 4 inches tall, thin them out to stand 3 to 4 inches apart in the row. Where sets are wanted, the seeds may, of course, be planted more thinly, and no thinning out is necessary. Frequent cultivation is as essential to success with Onions as is liberal fertilization. Should the bulbs in the fall prove rather slow in ripening down, break the tops. Before storing, the bulbs should be cured by giving the sun a good chance to thoroughly dry them for perhaps 48 hours. At the end of the first day, the Onions should be turned over so that the other side has a chance to dry off. The exhibition varieties, such as Ailsa Craig and Gigantic Gibraltar, require an exceptionally long period to produce their extra-large bulbs, and seeds of them are generally sown in the hotbed by middle of March and seedlings are transplanted later in a well-prepared piece of ground.

Yellow Globe Danvers
The Great Utility Onion

YELLOW VARIETIES

YELLOW GLOBE DANVERS. The most widely grown sort in cultivation. Handsome globe-shaped bulbs of good size, with thin yellow skin and mild, fine-grained, white flesh. A most reliable cropper, yielding 600 to 800 bushels per acre on good soil and with good culture; always satisfactory in the home-garden; a good keeper.

OHIO YELLOW GLOBE. A splendid keeping Onion developed by one of the Buckeye State's foremost Onion specialists. Within 100 days from sowing it perfects symmetrical, hard globes, averaging 2½ inches in diameter, slightly flattened at the bottom and larger than Yellow Globe Danvers. The flesh is fine-grained, very firm, and mild enough to make this one of the most desirable salad Onions. The skin is thin, and the necks are small and ripen down hard. A sturdy productive variety which we can highly recommend.

SOUTHPORT YELLOW GLOBE. A large, showy, globular or oval sort which grows rapidly, and quickly forms good-sized bulbs, suitable for using in a green state. Skin straw yellow; flesh white and of good quality. Full-grown Southport Globe Onions are uniform in size and shape, good keepers, and bring top prices at all times.

PRIZETAKER. An American strain of the Giant Spanish Onion. Bulbs extra-large, round and handsome; rich yellow skin and mild, sweet, pure white flesh; a fair keeper and an enormous yielder.

ONION	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
Yellow Globe Danvers	$ .10	$ .20	$ .35	$ .85	$2.50
Ohio Yellow Globe	.10	.20	.35	.85	2.50
Southport Yellow Globe	.10	.20	.35	.85	2.50
Prizetaker	.10	.20	.35	.85	2.50
Giant Gibraltar	.15	.25	.40	1.25	4.00
Ailsa Craig	.15	.25	.40	1.25	4.00
Flat Yellow Danvers	.10	.20	.35	.85	2.50

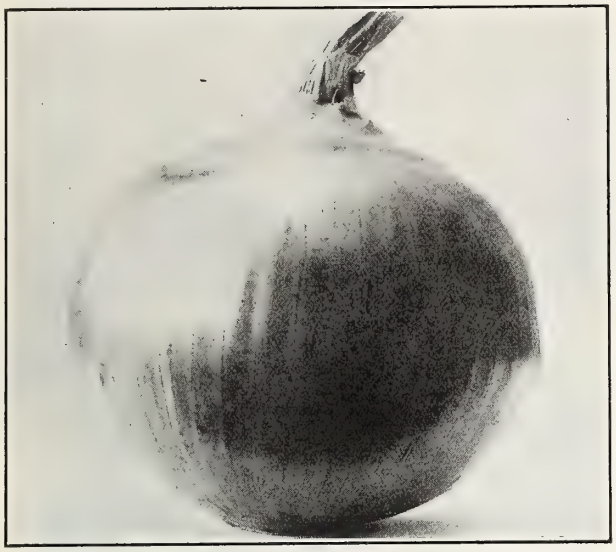
GIANT GIBRALTAR. A type of Prizetaker, originally from France, generally grown for exhibition purposes. A close rival to Ailsa Craig described below. Attains immense size; flat-globular in shape; skin light straw color; flesh white, tender and mild; not a good keeper.

AILSA CRAIG. The famous exhibition Onion of England and valued highly for that purpose. By rigid selection it has been kept at a high standard of perfection and will produce bulbs of enormous size for anyone who will take the pains to start the seed early under glass and transplant the seedlings.

FLAT YELLOW DANVERS. Round, flat bulbs, growing to good size and ripening early; mild in flavor and keep well.

A Field of Choice Onion Seed Grown for Beckert's Seed Store

ONION SEED, Continued



Yellow Prizetaker Onion—A Big Yielder

THE BEST WHITE ONIONS

The White Onions are the earliest and the mildest in flavor, but only moderately good keepers.

WHITE PORTUGAL or **Silverskin.** The most widely used white Onion. An all purpose variety excellent for sets, pickles, green bunching and for fall storage; matures about 75 days after sowing the seed. Bulbs are medium sized, flat in shape, clear white, fine grained and mild in flavor. It is a dependable cropper.

SOUTHPORT WHITE GLOBE. Handsome, large sized, solid Onion of perfect globe shape. Skin pure white with fine grained white flesh of good flavor. A good keeper for a white Onion.

WHITE BUNCH. A rapid grower, used largely for growing tender green onions. At maturity, the bulbs are pure white with thick neck.

RED ONIONS

SOUTHPORT RED GLOBE. The finest of the red Onions. Bulbs perfectly round, of good size, with small neck and thick, deep purplish red skin; flesh white tinged with pink. Productive and an excellent keeper.

RED WETHERSFIELD. Bulbs flattened, growing to a large size; purplish red; strongly flavored. A splendid keeper for the home-garden.

ONION SETS

Extra Selected Stock. (Prices variable)

One quart will plant 50 ft. of row

For those tender and mild green Onions in the home garden, plant sets at intervals in early spring. Plant them thick in the rows and cover the sets about one inch.

WHITE. Qt. 25 cts., pk. $1.75.

YELLOW. Qt. 20 cts., pk. $1.25.

for Velvety-green Lawns

feed regularly with this complete, balanced diet

VIGORO

Complete plant food

Petersilie (Ger.) **PARSLEY** *Prezzemolo* (Ital.)

One ounce will sow 150 ft. of row

Much used for garnishing and flavoring soups, stews, etc. The seed is slow to germinate, and should be sown as early as possible, in drills 12 inches apart, thinning the plants to 4 to 6 inches apart in the rows.

CHAMPION MOSS-CURLED. Leaves bright green, finely cut, and beautifully curled.

DWARF EXTRA-CURLED. Dwarf, with finely curled leaves. Quite decorative, as well as savory; much used for garnishing.

PLAIN-LEAVED. Best for flavoring; very hardy.

HAMBURG TURNIP-ROOTED. Grown for its roots, which are used in stews and soups. Thin out when young and cultivate like Carrots. Roots elongated turnip-shape.

HAMBURG LONG, or Parsnip-rooted. Roots long and slender; matures late and grows to a large size.

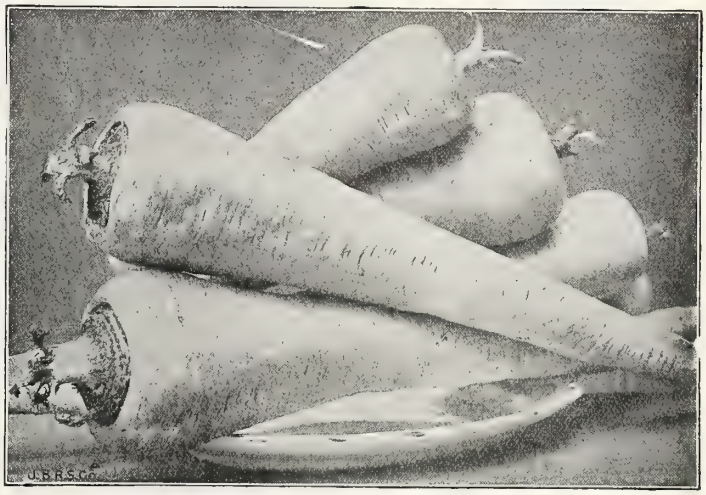
Pastinake (Ger.) **PARSNIP** *Pastinaci* (Ital.)

One ounce will sow 150 ft. of row

Sow the seed in drills 15 inches apart, as early as possible in spring, and thin the plants to stand 5 or 6 inches apart in the rows. The flavor of the roots is improved by frost. In winter cover them heavily with manure or litter.

LONG HOLLOW CROWN. Always good and in demand. Attractive, smooth, creamy white roots, growing 10 to 12 inches in length. Broad shouldered, tapering to a point; tender and sweet and of excellent flavor.

SHORT THICK. This attractive little parsnip makes a fine garden and bunch vegetable. Fully a month earlier than Hollow Crown and often reaches full size in 100 days from planting time. The roots fill out at an early stage and can be pulled for home use long before they reach full maturity. The quality is excellent, roots are free from strings or woody fiber, makes a splendid bunch vegetable for market gardeners.



Hollow-Crown Parsnips

ONION	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
White Portugal	$ .10	$ .20	$ .35	$1.00	$3.00
Southport White Globe	.10	.20	.35	1.00	3.00
White Bunch	.10	.20	.35	1.00	3.00
Southport Red Globe	.10	.20	.35	.85	2.50
Red Wethersfield	.10	.20	.35	.85	2.50
PARSLEY					
Champion Moss-Curled	.10	....	.15	.30	.75
Dwarf Extra-Curled	.10	....	.15	.30	.75
Plain-Leaved	.10	....	.15	.30	.75
Hamburg Turnip-Rooted	.10	....	.15	.30	.75
Hamburg Parsnip-Rooted	.10	....	.15	.30	.75
PARSNIP					
Long Hollow Crown	.10	....	.15	.30	.75
Short Thick	.10	....	.15	.30	.75

Erbsen (Ger.) **PEAS** *Pisello* (Ital.)

Two pounds will plant 100 ft. of row

For best results with Peas it is essential to get an early start. The smooth-seeded varieties, being extra-hardy, may be planted as early in the spring as the soil can be prepared for them, often as early as the latter part of March. Wrinkled Peas are not so hardy as the smooth sorts, but they are of better quality and may be started early in April. Sow the seed in drills 2 to 3 inches deep, making the rows 2 to 4 feet apart, according to variety, taller Peas requiring more room than dwarf ones. The dwarf varieties do best on a heavy and moderately rich soil while the tall sorts seem to prefer rather thin ground. Peas that make vines over 2 feet high should be supported with brush, chicken wire, old fish-net or on strings 6 inches apart stretched between posts set at the ends of the rows. Tall-growing Peas are frequently grown in double rows 6 or 8 inches apart with the support between. Do not grow Peas against a fence or wall as they like to be out in the open where the air can circulate through the vines.

EARLY WRINKLED PEAS

Although not so hardy, these are sweeter and better flavored than the smooth seeded kinds described below. For a continuous crop, plant every 10 days up to June 1st, then discontinue until Aug. 1st and then plant the extra-early varieties for a fall crop.

WORLD'S RECORD. The earliest strain of the well-known Gradus or Prosperity Pea, and a thoroughbred in every way. Does not grow quite so tall as Gradus but is more productive, bearing pods 3½ inches, containing 7 to 9 Peas of superb quality. Beckert's strain of World's Record Peas comes on the market 3 or 4 days ahead of any other wrinkled Pea and is in tremendous demand with our critical market-gardener customers.

LITTLE MARVEL. A splendid dwarf early Pea of fine quality, in season a few days later than Gradus or Thomas Laxton. Vines 15 inches tall, bearing a remarkably large crop of pods which average 3½ inches long and are literally filled to bursting with sweet, dark green Peas of the largest size. Since it requires no brush or other support, and is such a reliable producer, it is one of the most popular sorts in the home-garden.

LAXTONIAN. The largest podded of the early dwarf varieties; a vigorous, productive sort, extensively grown to succeed World's Record as it produces its crop about a week later in this section. Vines 1½ feet high, requiring no support; broad pods 4 inches long, filled with large, dark green Peas of superb quality.

PIONEER. Similar to Laxtonian except that the pods and vines are a trifle lighter in color. Considered by some to be a little hardier but not quite so fine in quality.

SUTTON'S EXCELSIOR. Follows in season immediately after Laxtonian, and a little more vigorous in vine. Pods 3½ inches long, containing 7 or 8 bright green Peas of very fine quality. A favorite for market in many sections.

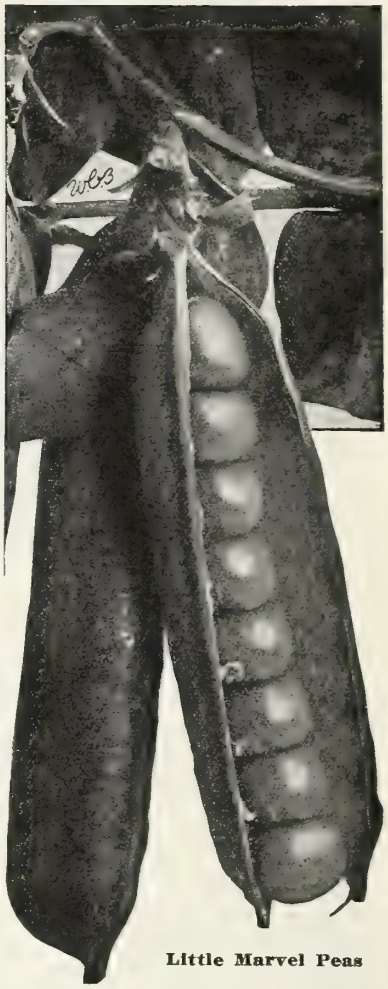
PRESIDENT WILSON. A splendid half dwarf early Pea with a flavor surpassed by none. Do not require staking. Pods are dark green 4½ to 5 inches long and usually contain 8 large peas. Easily picked as pods are borne on upper half of plants.

GRADUS or **Extra-Early Telephone.** A very dependable and productive variety; with the exception of World's Record, the earliest of the wrinkled Peas. Vines 3 feet tall and robust; pods about 4 inches long, broad and pointed, medium green in color; quality excellent.

BLUE BANTAM. A new dwarf, extremely early variety, very productive, vines 15 inches high, bearing large, well-filled pods of deep green Peas. Eight to ten Peas to a pod.

THOMAS LAXTON. Those who appreciate genuine quality in Peas will find all they desire in Thomas Laxton. It closely resembles Gradus in season, productivity and all other respects, except that the pods are a trifle narrower, more blunt-pointed and always packed to the tip with Peas of superb flavor. It is one of the sorts we particularly recommend to the home-gardener.

PEAS	Pkt.	1 lb.	2 lb.	5 lb.	10 lb.	Bu. 56 lb.
World's Record	$ .10	$ .35	$ .60	$1.25	$2.25	$10.00
Little Marvel	.10	.35	.60	1.35	2.35	11.00
Laxtonian	.10	.35	.60	1.35	2.35	11.00
Pioneer	.10	.35	.60	1.35	2.35	11.00
Sutton's Excelsior	.10	.35	.60	1.35	2.35	11.00
President Wilson	.10	.35	.60	1.35	2.35	11.00
Gradus	.10	.35	.60	1.25	2.25	10.00
Blue Bantam	.10	.35	.60	1.35	2.35	11.00
Thomas Laxton	.10	.35	.60	1.25	2.25	10.00
First and Best (60 lbs. Bu.)	.10	.30	.55	1.25	2.00	9.00
Alaska (60 lbs. Bu.)	.10	.30	.55	1.25	2.00	9.00



Little Marvel Peas

EXTRA-EARLY PEAS SMOOTH SEEDED

These are extra-early and hardy so may be sown 10 to 14 days before it is safe to put the more tender wrinkled Peas in the ground. They are somewhat inferior in quality, however, and must be gathered as soon as ready, for they lose their flavor quickly.

FIRST and **BEST.** This is an extra-early, very productive variety. The pods are short but well filled. Grows 30 inches high. An ideal variety for the home garden.

ALASKA. A select strain of the old favorite for early market and canning. Maturing a few days after First and Best, it bears a large crop of pods which are small but well-filled with Peas of fair quality. The crop is very uniform and is usually gathered in one picking.

PEAS—MAIN-CROP and LATE VARIETIES

These bear later than the kinds described on the preceding page, but they yield larger crops of bigger pods, have a longer season of bearing, and are unsurpassed in quality.

POTLATCH. A very prolific dwarf, large-podded Pea, bearing its first crop 10 days after Sutton's Excelsior and producing at least two good pickings. Vines strong and vigorous, 2 feet tall; pods dark green, 5 inches long and very broad, containing 8 to 10 large Peas of unexcelled quality.

DWARF CHAMPION. A popular main-crop Pea for the home-garden as it can be grown without support. Vines 2 to 2½ feet in height; pods 4 inches long; Peas large, dark green in color, and of fair quality; quite productive. A trifle later than Potlatch.

DUKE OF ALBANY. Vines medium green; pods dark green; a trifle earlier, but otherwise similar to improved Telephone described below.

IMPROVED TELEPHONE, or Boston Unrivaled. The finest strain of the old reliable light-podded Telephone. Height 4 to 5 feet; pods 4½ inches long, each containing 8 to 10 large, delicious Peas; vines, pods and Peas all medium-light green. Prolific, bearing its crop a few days after Senator.

ALDERMAN. The leading dark-podded variety of the Telephone type. A trifle later than Boston Unrivaled but more productive; vines and Peas dark green; unexcelled in flavor. Alderman is grown very extensively for market and is, without a doubt, the best of the tall late sorts for the home-garden.

MAMMOTH-PODDED SUGAR. Tall and late, producing a large crop of pods 5 to 6 inches long and 1½ inches wide. These are gathered when the Peas within have just begun to form and are prepared like snap-beans, the entire pods being cooked. Tender and stringless and very sweet in flavor.

Potlatch Pea

Grosse Kürbis (Ger.) PUMPKIN *Zucca* (Ital.)

One ounce will plant 25 hills

Some of the Pumpkin varieties are so sweet, juicy and finegrained that they are considered indispensable for pies and sauces, while other varieties are grown principally for stock-feeding. Culture the same as recommended for Melons.

SMALL SUGAR. Ten to 12 inches in diameter, almost round and slightly ribbed; flesh sweet; skin deep bronzy yellow. The favorite variety for pies and a good keeper.

WINTER LUXURY, or Pie Squash. Round, golden yellow, netted; flesh very rich; a fine keeper. Finest pie Pumpkin and a great favorite in the home patch.

JAPANESE PIE. Large crookneck, deep green with darker stripes; flesh yellow and sweet; early.

MAMMOTH GOLDEN CUSHAW. The Cushaw or Jonathan Pumpkins are big, crooknecked varieties with thin, tough rinds and thick flesh of extra-fine quality for pies.

MAMMOTH KING. The largest Pumpkin grown, often attaining a weight of 100 pounds. Flesh close-grained and of fine flavor; skin golden yellow.

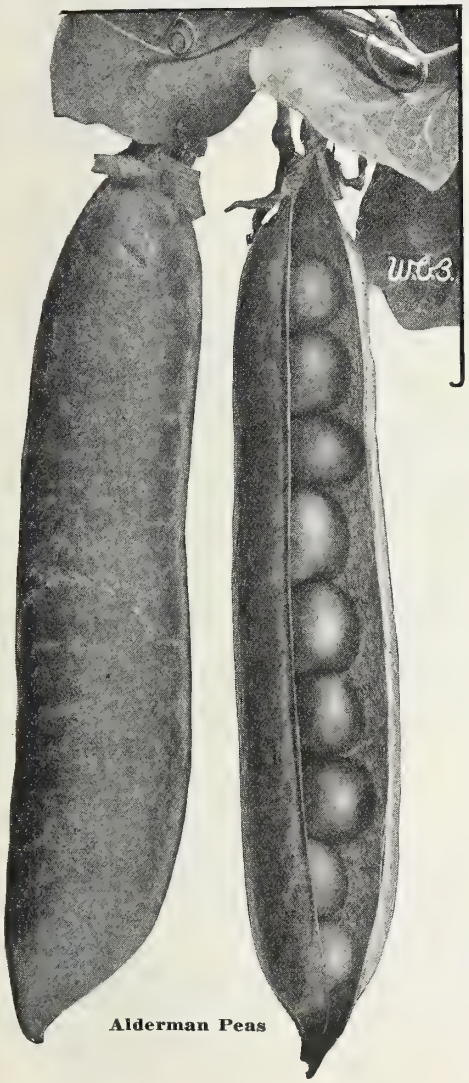
LARGE CHEESE. Large, somewhat flattened with creamy yellow skin and flesh; good quality.

CONNECTICUT FIELD. The common field Pumpkin; largely grown in corn for feeding to stock, but suitable also for pies. Orange skin and bright yellow flesh.

GOLDEN OBLONG. A long, cylindrical Pumpkin with bright yellow flesh of extra-fine quality.

GREEN STRIPED CUSHAW. Fruit of the Crookneck type. Skin smooth, white with netted green stripes. Flesh yellow, solid, fine grained.

WHITE CUSHAW. Skin creamy-white color, neck shorter than Green Striped Cushaw, but fruit is firmer and a better keeper.



Alderman Peas

PEAS	Pkt.	1 lb.	2 lb.	5 lb.	10 lb.	Bu. 56 lb.
Potlatch	$ .10	$ .35	$ .60	$1.35	$2.35	$11.00
Dwarf Champion	.10	.35	.60	1.35	2.35	11.00
Duke of Albany	.10	.35	.60	1.25	2.25	10.00
Improved Telephone	.10	.35	.60	1.25	2.25	10.00
Alderman	.10	.35	.60	1.25	2.25	10.00
Mammoth-Podded Sugar	.10	.40	.75	1.75	3.00	15.00

PUMPKIN	Pkt.	Oz.	¼ lb.	Lb.
Small Sugar	$ .10	$ .15	$ .40	$1.00
Winter Luxury	.10	.15	.40	1.00
Japanese Pie	.10	.15	.40	1.00
Mammoth Golden Cushaw	.10	.20	.50	1.25
Mammoth King	.10	.20	.50	1.25
Large Cheese	.10	.15	.40	1.00
Connecticut Field	.10	.15	.35	.90
Golden Oblong	.10	.15	.40	1.00
Green Striped Cushaw	.10	.20	.50	1.25
White Cushaw	.10	.20	.50	1.25

PEPPER

Pfeffer (Ger.) *Peperone* (Ital.)

One ounce will produce about 1000 plants

In the latitude of Pittsburgh, sow the seed in hotbeds in early March. Thin out or transplant the seedlings when they are 2 inches high, giving them plenty of room, to develop sturdy plants. When the weather is settled and the soil warm, transfer them to the open ground, setting them about 2 feet apart in rows 3 feet apart. A rich, mellow, well-drained soil is best. The large-fruited varieties are desirable for stuffing.

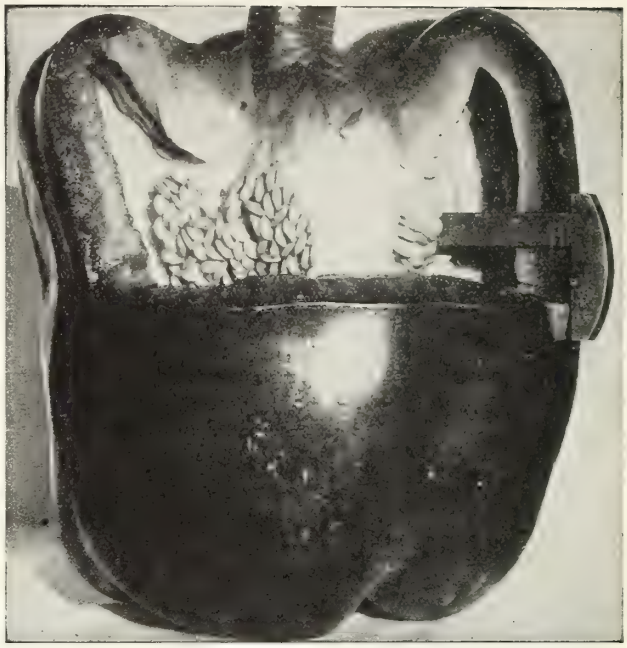
CALIFORNIA WONDER. This pepper combines the fine quality of the Pimiento and the size of Giant Crimson, with a thickness of flesh heretofore unknown in any variety of Pepper. The plants are sturdy and very productive, bearing from five to nine large fruits at a setting. The fruits showing flesh three-eighths of an inch thick, of the finest quality sweet and crisp entirely free from pungency.

HARRIS' EARLY GIANT. Large and early. 5 inches high and 3½ inches through. Deep green turning to red. Sweet and pleasant.

CRIMSON BEAUTY PIMIENTO. Is the sweetest of all sweet Peppers without any trace of pungency. The fruits are of good size heart-shaped and smooth.

EARLY NEAPOLITAN. The earliest of the large fruited sorts and the most productive. Unsurpassed for pickling, the plants carry immense crops.

PEPPER	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
California Wonder	$ .10	$ .35	$ .60	$1.75	$6.00
Harris' Early Giant	.10	.30	.50	1.25	4.00
Crimson Beauty Pimiento	.10	.30	.50	1.25	4.00
Early Neapolitan	.10	.30	.50	1.25	4.00
Magnum Dulce	.15	.40	.75	2.00	7.00
Ruby King	.10	.30	.50	1.25	4.00
Ruby Giant	.10	.30	.50	1.25	4.00
Chinese Giant	.10	.35	.60	1.75	6.00
Crimson Giant	.10	.30	.50	1.25	4.00
Bull Nose or Large Bell	.10	.30	.50	1.25	4.00
Anaheim Giant Chili	.10	.30	.50	1.50	5.00
Hungarian Long Hot Banana	.10	.35	.60	1.75	6.00
Long Red Cayenne	.10	.30	.50	1.25	4.00
Small Red Chili	.10	.30	.50	1.25	4.00
Golden Queen	.10	.35	.60	1.75	6.00
Red Squash	.10	.30	.50	1.50	5.00



California Wonder Pepper

MAGNUM DULCE. One of the largest Sweet Peppers grown, flesh thick and sweet. Square and blocky in shape, very productive.

RUBY KING. Following closely after Neapolitan, Ruby King produces a fine crop of large sweet Peppers. The flesh is thick, sweet, and mild.

RUBY GIANT or Worldbeater. The result of a cross between Ruby King and Chinese Giant; fully as early and productive as Ruby King, while the fruits approach those of the Chinese Giant in size.

CHINESE GIANT. A real Giant of the pepper family with thick fleshy fruits, bright red in color and very mild and sweet in flavor.

CRIMSON GIANT. Said to have been developed from a cross between Chinese Giant and Bull Nose. Early and, like Bull Nose, very prolific; deep green ripening to bright crimson.

BULL NOSE or Large Bell. A widely grown, standard variety for market. Extremely prolific; fruits of good size, very thick and blocky; flesh usually sweet but becomes very hot in dry seasons.

ANAHEIM GIANT CHILI. Seven to 9 inches in length, and from 1 to 1¼ inches thick, tapering to a blunt point. Brilliant scarlet. This Pepper is pungent, although not quite as hot as Long Red Cayenne.

HUNGARIAN LONG HOT BANANA. Pale green, very solid, about 6 in. long and 2 in. thick, turning waxy yellow and finally red when ripe, grown by all large market growers, especially for the Italian trade.

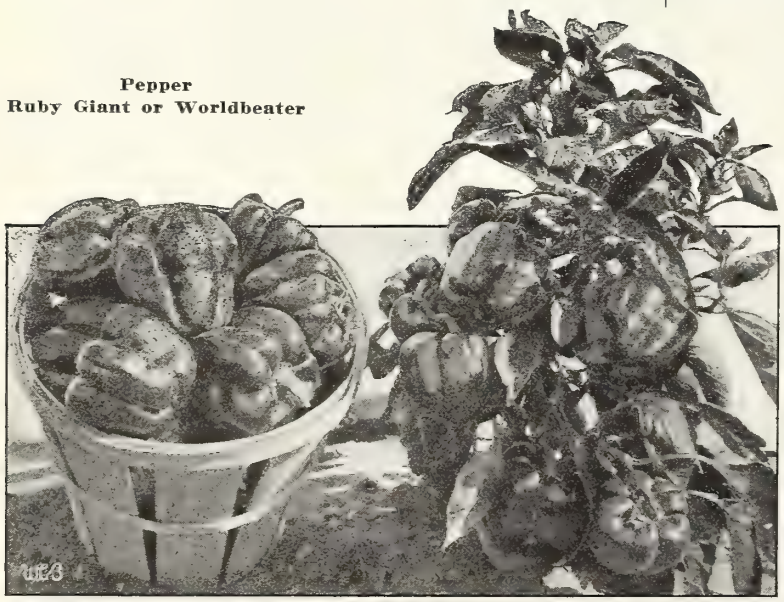
LONG RED CAYENNE. Pods 4 to 6 inches long, bright red, and very hot. Prolific.

SMALL RED CHILI. Pods 2 inches long, conical, scarlet, very pungent.

GOLDEN QUEEN. A large, sweet Pepper which ripens bright yellow instead of red. Fruits like Bull Nose; thick-fleshed and very sweet.

RED SQUASH. Sweet and prolific; small, round, thick-fleshed and sweet pods.

Pepper
Ruby Giant or Worldbeater



Seed Potatoes

Kartoffel (Ger.) *Patata* (Ital.)

PURE STRAIN

PRICES SUBJECT TO MARKET CHANGES PLEASE WRITE FOR LATEST PRICES

One peck will plant 100 hills, 10 bu. to an acre

IRISH COBBLER, Extra Early Heavy Yielder. Is a grand early potato of medium large size, and in light soil, does its best for earliness. Irish Cobbler, although not so fine grained in flesh as some other sorts described here, yet it is always a very popular seller. Its size, shape, good quality and elegant appearance have given it a very wide popularity and it usually secures a better price, side by side with standard Earlies. To our customers who find it necessary to cater to a growing demand for more Early potatoes we commend this sort as a money-maker and trade-winner.

EARLY OHIO. Either for the family garden or for market, there is nothing to compare with the early Ohio. Round to oblong in shape, pink skin, white flesh of most excellent quality and extra early.

EARLY ROSE. This pink-skinned variety is noted for earliness, productiveness and fine quality. Shape long, good size, cooks pure white and mealy.

RUSSET. Considered the finest late Potato of today and as near blight-proof as a Potato can be. The tubers are round to oblong, very large, and from 6 to 10 are ordinarily obtained from a hill; the flesh is pure white and the skin has a roughened russet appearance.

GREEN MOUNTAIN—A fine late Potato. A white skinned variety of flat, oval form, smooth and attractive. Ripens slowly and is a good keeper. Quality excellent when well grown. This variety has been growing in popularity and is now the leader of all varieties for general crop.

CARMAN NO. 3. A round, white late Potato of the Rural type and closely resembling it in yield and quality. We have clean, pure stock.

Russet Potatoes

SWEET and MEDICINAL HERBS

***Varieties are Perennials**

Anise. Used for flavoring.
Balm. Made into balm tea for fevers.
Basil, Sweet. For soups and stews.
Borage. A pot-herb and for bees.
Caraway. Seeds are used in cakes, etc.
Chervil, Curled. For soups and salads.
Chives.* Used for garnishing. Pkt. 25 cts.
Coriander. Seeds used in confectionery.
Dill. Used for pickling.
Fennel.* Used for pickling and sauces.
Fennel, Florence. Resembles celery in flavor.
Horehound.* Valuable for medicine.
Hyssop.* Medicinal and decorative.
Lavender (True). Used in perfume.
Marjoram, Sweet.
Marjoram, Pot. Used for seasoning.
Rosemary.* Aromatic; for seasoning.
Rue.* Used for medicinal purposes.
Sage.* Used for flavoring.
Savory, Summer. For flavoring.
Savory, Winter.* A hardy form.
Sorrel. Used as a salad.
Thyme. For sauces and dressings.

All above varieties of Herbs 10 cts. per pkt. except as noted

Insure Your Potato Crop

NEW IMPROVED SEMESAN BEL. Controls seed-borne diseases and scab and protects the cut tubers from rotting which insures maximum yield. Easily and quickly applied. Mix one pound with 7½ gallons of water, dip seed potatoes, drain and plant. 4 oz. 50 cts., 1 lb. $1.75, 5 lb. $8.00, 25 lb. $31.25.

SEMESAN. Destroys diseases on seed and in the soil. Sprinkling the seedling beds with Semesan solution effectively prevents damping-off. Recommended for vegetable and flower seeds, bulbs and Brown Patch on lawns. Directions in every can. 2 oz. 50 cts., 1 lb. $2.50, 5 lb. $11.75, 25 lb. $46.25.

SEMESAN JR. Field or sweet corn seed dusted with Semesan Jr. is protected from destructive root diseases and from rotting in cold, wet soil, consequently better germination, stands and yields are obtained. 4 oz. 50 cts., 1 lb. $1.50, 5 lb. $7.00, 25 lb. $28.75.

NEW IMPROVED CERESAN. Inexpensive and profitable treatment for Barley, Oats and Wheat which assures protection against seedling blight or smut losses. 1 lb. 75 cts., 5 lb. $3.00.

Rettig (Ger.) **RADISH** *Ravenella* (Ital.)

One ounce will sow 100 ft. of row

Success with Radishes depends upon the selection of the proper varieties to be grown during the different seasons. Early in the spring, while it is still cool, the early Round or Button Radishes do best and the first sowing may be made as soon as the ground is fit to be dug. The olive-shaped varieties, require a little more time in which to reach eatable size, but they will stand heat better. None of these kinds should be grown during mid-summer but may again be sown during the latter part of August. The slow-growing, hot-weather varieties are described on the next page.

Radishes thrive best in well-enriched light, sandy soils. To produce smooth, shapely roots, the seed-bed should be worked into fine, loose condition and freed from stones. The quick-maturing varieties may be sown in rows less than a foot apart and, if the seed is not scattered too thickly, little thinning out will be necessary.

The Radishes on this page are also suitable for forcing under glass. Saxa, Non Plus Ultra, and Scarlet Globe may be gathered from the hotbed in mid-April from seed sown the middle of March. For the forcing crop, sow the seed in hotbeds in rows 5 or 6 inches apart and thin the plants as the soil becomes warm.

Early Round or Button Radishes

These are the popular, little flat or round fellows which, if sown in early spring, will be ready for use in three or five weeks, depending on weather conditions. To be crisp and tender, they must grow quickly; a check in growth, due to drought or frost, makes them tough and pithy, while hot weather makes them grow rank and bitter. Do not sow between May 15 and August 15.

SAXA or Rapid Red. By far the earliest and most short-lived of all the forcing Radishes. Under favorable conditions, Saxa will make small but perfect globe-shaped roots in the almost incredibly short time of 20 days in the hotbed, or 25 days outdoors. Saxa Radishes have remarkably small tops, so may be grown very close together. The flesh is pure white and very crisp; skin bright scarlet.

CRIMSON GIANT FORCING. Maturing in about the same time as Early Scarlet Globe, this Radish produces roots nearly twice the size, of perfect globe shape, with white flesh and deep red skin.

SPARKLER. Perfectly round or ball-shaped; upper half bright scarlet, lower half and tap-root clear white; very bright and attractive in appearance and largely grown for both market and home use.

SCARLET BUTTON or Non Plus Ultra. An improved strain of the favorite little, bright red, turnip-shaped, early forcing and outdoor Radish. The roots are of good size, round, and with very small tap-roots; the flesh is white and crisp, with skin of a most appetizing, bright scarlet color; the stems and leaves are small. Our strain is exceptionally well-bred and reliable.

Early Scarlet Globe Radishes

EARLY SCARLET GLOBE. (See illustration.) The most widely grown of all the early, round, red Radishes. Although a few days later than Non Plus Ultra, it produces roots of larger size without becoming pithy and is the favorite variety for early market everywhere. The roots are elongated globe-shape, uniformly good-sized, smooth and with small tap-roots, bright rosy red in color, with firm, white flesh. Matures in 30 to 35 days from sowing. **We have an exceptionally fine forcing stock of this variety.**

WHITE BOX. The leading early white Radish. Roots of good size and nearly spherical in shape, with smooth, white skin.

Crisp Scarlet Button Radishes

Early Olive-Shaped Radishes

FRENCH BREAKFAST. Olive-shaped; upper portion rosy scarlet with lower portion pure white. Well adapted for the open ground or under glass.

SCARLET OLIVE-SHAPED. Bright scarlet; early; sometimes used for forcing. The flesh is white, crisp and tender.

YELLOW OLIVE-SHAPED. Exceptionally fine quality despite its unusual color. The skin is bright golden brown; flesh white.

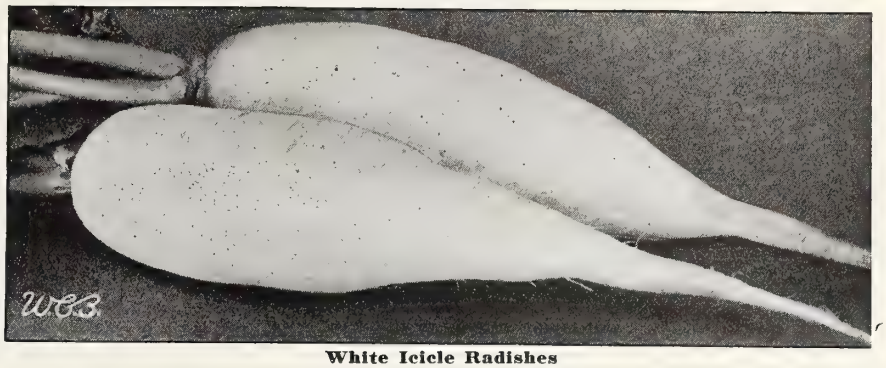
RADISH	Pkt.	Oz.	¼ lb.	Lb.
Saxa or Rapid Red	$ .10	$ .15	$ .35	$ .85
Crimson Giant Forcing	.10	.15	.35	.85
Sparkler	.10	.15	.35	.85
Scarlet Button or NonPlus Ultra	.10	.15	.40	.90
Early Scarlet Globe	.10	.15	.40	.90
White Box	.10	.15	.40	.90
French Breakfast	.10	.15	.40	.90
Scarlet Olive-Shaped	.10	.15	.40	.90
Yellow Olive-Shaped	.10	.15	.40	.90

RADISH, Continued

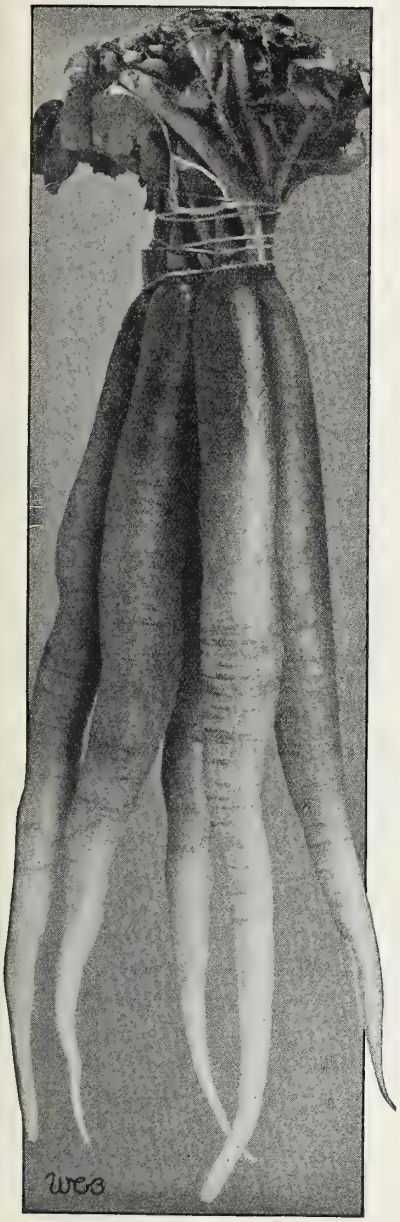
EARLY LONG RADISHES

ICICLE. If there is any one Radish that deserves the title of "best all-round" for the home garden, it is White Icicle. Good early or late, it resists the heat as well as any of the extra-early varieties and the quality of its flesh is always pleasing. Handsome, cylindrical roots, 5 to 7 inches long, with smooth, white skin and fine-grained white flesh. (See illustration.)

CINCINNATI MARKET. The most select strain of the Long Scarlet Short Top type. The roots grow 6 to 7 inches long and are bright scarlet, slightly tipped white, with very brittle flesh. Our stock is very short-topped; excellent for both forcing and outdoors.



White Icicle Radishes



Beckert's Improved Chartier Radishes

RADISHES BEST FOR SUMMER USE

The following five varieties are particularly valuable in that they extend the Radish season by at least two months. Any of these varieties may be sown up to August and will be in prime condition throughout the hot months when all early Radishes will have become pithy. Beckert's Chartier is the earliest of the summer Radishes, being ready for table in about 45 days after date of sowing seeds. Golden Globe is, perhaps, the greatest heat resister in this class.

BECKERT'S IMPROVED CHARTIER. (See illustration to left.) This greatly improved Radish is the finest long red variety in existence. Slightly later than the Cincinnati Market, but better in quality; will stand far longer; in all respects superior to any other long Radish. Rosy scarlet with white tip.

LONG WHITE VIENNA. Long and slender; snow-white; flesh crisp, tender and brittle; of rapid growth.

WHITE STRASBURG. Half-long and thick; skin and flesh white. An excellent sort for either summer or fall. Firm, crisp, and of mild flavor.

GIANT STUTTGART. Very large; globular in shape; pure white; stands heat well.

GOLDEN GLOBE. Our seeds are choicest French-grown. Russet color; sweet and crisp. A favorite in all parts of the country; valued for its heat-resistance.

WINTER RADISHES

CELESTIAL or White Chinese. (See illustration.) Attains a length of 12 inches and a diameter of 4 to 5 inches. Flesh crisp, mild, and sweet in flavor.

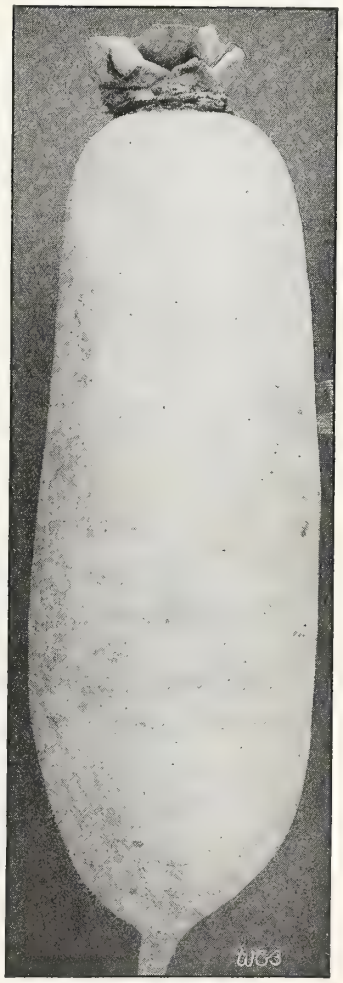
CHINESE ROSE. Half-long; flesh pink, solid, of excellent quality.

LONG BLACK SPANISH. Roots black; the flesh is white and slightly pungent.

ROUND BLACK SPANISH. Globe-shaped; white-fleshed.

SAKURAJIMA. A Japanese variety, attaining a monstrous size. Reaches a weight of fifteen pounds. Can be used cooked as a turnip. Requires the whole season for its development. Should be sown in rows and thinned out to stand 10 inches apart.

RADISHES	Pkt.	Oz.	¼ lb.	Lb.
Icicle	$ .10	$ .15	$ .40	$ .90
Cincinnati Market	.10	.15	.40	.90
Beckert's Improved Chartier	.10	.15	.40	.90
Long White Vienna	.10	.15	.35	.85
White Strasburg	.10	.15	.40	.90
Giant Stuttgart	.10	.15	.35	.85
Golden Globe	.10	.15	.35	.90
Celestial or White Chinese	.10	.15	.40	.90
Chinese Rose	.10	.15	.40	.90
Long Black Spanish	.10	.15	.40	.90
Round Black Spanish	.10	.15	.40	.90
Sakurajima	.10	.15	.40	.90



Celestial Radish

SPINACH

Spinat (Ger.) *Spinnaccio* (Ital.)

One ounce will sow 100 ft. of row

The value of fresh Spinach in the diet is just beginning to be appreciated. It is particularly rich in tonic mineral salts and vitamines, and these vitamines are believed to be present in a form which is not broken down or lost in boiling. By means of succession plantings, Spinach may be had all summer long, fresh from the garden. The first sowings should be made just as early in the spring as the ground can be made ready to receive the seed. Succession plantings may be made every ten days or two weeks up to the first of October, at which time a large planting should be made and protected with straw or dead leaves for winter and early spring use.

BECKERT'S EMERALD. After extensive tests, both in this country and abroad, our strain of Emerald Spinach has proven its right to be classed as a Spinach without a peer. The plants are of upright growth with thick dark green crumpled leaves which come in a few days later than the Bloomsdale sorts and remain in firm edible condition for a longer time. We recommend this high quality strain to both the home and market gardener.

KING OF DENMARK. This in our estimation, is one of the most valuable new varieties developed in recent years. For the home gardener it is especially valuable as it will stand the hottest kind of weather and remains in prime condition without shooting to seed.

BLOOMSDALE SAVOY, RESELECTED. This is by far the most popular Spinach among the gardeners and is the best Spring and Fall Spinach. The plant is of upright growth, with thick glossy dark green leaves of medium size, pointed and quite broad, and crumpled or blistered like those of Savoy Cabbage.

VICTORIA. Compact plants with round, crumpled leaves of the very best quality; dark green. Does best in early spring and fall but gives good results at all seasons.

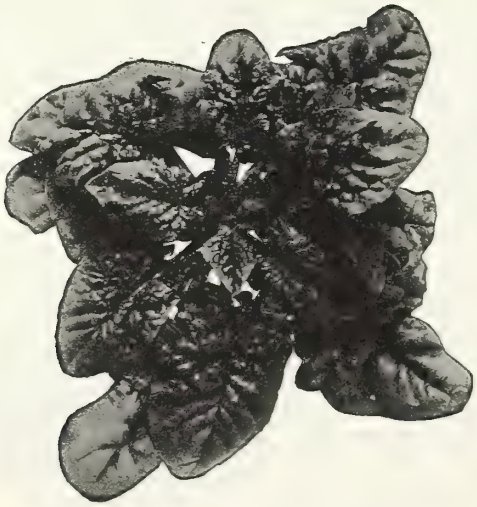
EARLY GIANT THICK-LEAF. A quick-growing variety with large, pointed leaves of a thick, almost leathery consistency, but of first rate quality nevertheless. It stands warm weather well but is most largely used for the first spring crop.

BLOOMSDALE SAVOY, LONG STANDING. This introduction now so well known has proven to be of exceptional merit. The advantage of this variety is that it will stand in fine edible condition from ten to fourteen days longer than the regular Bloomsdale. This variety is practically free from the early bolting male plants, the leaves are heavily crumpled and of deep dark green color and extra thick. These qualities are found in our strain in the highest possible measure.

JULIANA. One of the best second-early varieties with very dark green thick crumpled leaves and will stand two weeks longer than Savoy without bolting to seed.

NEW ZEALAND SPINACH. The seed is slow and irregular in germinating but, once started, the plants grow rapidly and by midsummer will often measure 4 or 5 feet in diameter and 3 feet high. The first crop may be cut when the plants are about half grown, taking only the tips of the branches. As fast as these tips are gathered, the main stalks produce more side shoots and it seems that the more one gathers the faster it develops.

Beckert's Emerald Spinach



Bloomsdale Long Standing Spinach

SALSIFY or OYSTER PLANT

Haferwurzel (Ger.) *Salsefia* (Ital.)

One ounce will sow 50 ft. of row

When cooked, the roots have something of the flavor and odor of oysters. They may be boiled, used in soups, or grated and fried as fritters. The culture of Salsify is the same as for Parsnips. The roots are perfectly hardy and may be left in the ground all winter, or a quantity of roots for winter use may be dug after the first frosts and stored in a pit or in sand or damp earth in the cellar. The seed should be sown not later than end of June, as the roots require a full season to attain their growth.

MAMMOTH SANDWICH ISLAND. The most satisfactory variety under all conditions. The roots are long and of good thickness, tender and well flavored, resembling fair-sized Parsnips.

RHUBARB or PIE-PLANT

Rhabarber (Ger.) *Rabarbaro* (Ital.)

One ounce will sow 125 ft. of row

VICTORIA. An improved variety producing extra-large, thick stalks. It is a main-crop sort with a long season of bearing.

RHUBARB ROOTS. Strong roots, for early spring delivery. 10 cts. each, $1.00 per doz; large clumps 25 and 50 cts.

SPINACH NEEDS NITROGEN

One of the three essential plant foods is Nitrogen which, when used on Spinach, will encourage fast growth with dark green leaf and stem. Nitrogen can be supplied either in the form of Nitrate of Soda (reduces acidity) or Sulphate of Ammonia (increases acidity) to which should be added Bone Meal which will prevent overfeeding and also add Superphosphate. Prices on these essential plant foods will be found on page 70.

SPINACH	Oz.	¼ lb.	Lb.	10 lb.	25 lb.
Beckert's Emerald	$ .10	$ .30	$ .60	$4.00	$8.50
King of Denmark	.10	.25	.50	3.50	7.50
Bloomsdale Reselected	.10	.25	.50	3.50	7.50
Victoria	.10	.25	.45	2.75	5.50
Early Giant Thick-Leaf	.10	.25	.45	2.75	5.50
Bloomsdale Long Standing	.10	.25	.50	3.50	7.50
Juliana	.10	.25	.50	3.50	7.50
New Zealand, Pkt. 10 cts.	.15	.30	.50	...	...
SALSIFY	**Pkt.**	**Oz.**	**¼ lb.**	**Lb.**	
Mammoth Sandwich Island	$ .10	$ .30	$ .75	$2.50	
RHUBARB					
Victoria	.10	.25	.65	2.00	

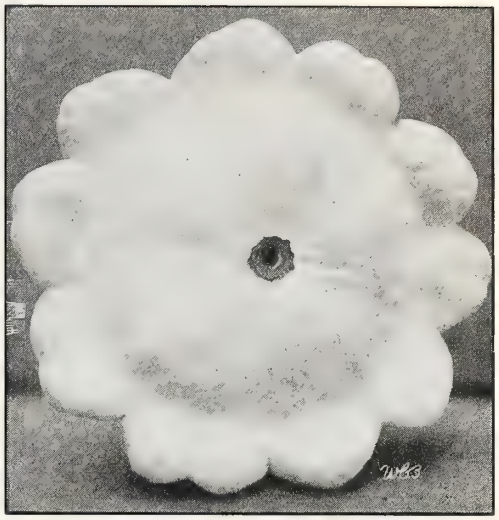
Kürbis (Ger.)

THE CHOICEST SQUASHES

Zucca (Ital.)

One ounce will plant 25 hills; 3 to 4 pounds to the acre

Squash seed should not be sown until all danger from frost is past; it is safest to wait until after Decoration Day. All are rank feeders and do best on well-drained, heavily manured soil. The winter varieties are usually grown in hills placed 8 feet or more apart each way. These hills are prepared by first digging holes about 2 feet in diameter and 12 to 18 inches deep, which are filled with rotted manure or compost, and then piling soil on top to make mounds 4 to 6 inches higher than the level of the ground. Sow 8 to 10 seeds in each hill, dropping them about an inch apart, and thin out to the best 3 or 4 seedlings. Do not disturb the vines after they begin to run. The bush varieties may be sown in rows, prepared in the same manner as the hills for the winter squashes. The plants should be thinned to stand about 3 feet apart. Tobacco dust worked in close to the plants will combat the squash borer. Use Pyrox for control of the yellow striped beetle and hand pick the strong odor black squash bug.



Mammoth White Bush Squash

SUMMER VARIETIES

These are mostly early-bearing kinds of compact or bushy growth. The fruits have thin shells, consequently are not as good keepers as the winter varieties.

COCOZELLE BUSH or **Italian Vegetable Marrow.** This is perhaps the most prolific of all bush sorts, commencing to bear in July and continuing until killed by frost. The fruits average 10 to 12 inches long by 5 inches in diameter and are green, marbled with yellow and striped with darker green. The flesh is quite firm and of superb quality.

WHITE VEGETABLE MARROW. Larger growing and later than Cocozelle. Skin greenish white; flesh white.

MAMMOTH WHITE BUSH. (See illustration.) An improved White Patty-Pan Squash. Early and productive; fruits 10 inches in diameter.

GOLDEN CUSTARD BUSH. Like Mammoth White Bush except that the fruits are rich golden yellow.

GIANT CROOKNECK. A bush form of Golden Crookneck, producing larger fruits; extremely early and prolific. Fine for market.

DELICIOUS. Fruits large, resembling the Hubbard in shape, with bronzy green skin and orange flesh, which is very thick, fine-grained, dry and sweet. A dependable Squash for late summer and early winter use.

ZUCCHINI. Italian squash of the Cocozelle order, color dark green with light green stripes, prolific and delicious, bush habit.

SQUASH	Pkt.	Oz.	¼ lb.	Lb.
Cocozelle Bush	$ .10	$ .15	$ .40	$1.00
White Vegetable Marrow	.10	.15	.40	1.00
Mammoth White Bush	.10	.15	.40	1.00
Golden Custard Bush	.10	.15	.40	1.00
Giant Crookneck	.10	.15	.40	1.00
Delicious	.10	.15	.40	1.00
Zucchini	.10	.15	.40	1.00
Boston Marrow	.10	.15	.40	1.00
Hubbard, Improved	.10	.20	.50	1.25
Hubbard, Warted	.10	.20	.50	1.25
Hubbard, Blue	.10	.20	.50	1.25
Hubbard, Golden	.10	.20	.50	1.25
New Acorn or Table Queen	.10	.20	.50	1.25

Warted Hubbard Squash

WINTER VARIETIES

BOSTON MARROW. Well-known and popular. Large fruits with bright orange skin and flesh; does not keep quite as long as the Hubbards but is of the very finest quality and a reliable cropper.

HUBBARD, IMPROVED. An extra-select strain of the standard winter Squash. Skin dark green and nearly smooth; flesh yellow, fine-grained, dry and sweet; late keeping.

HUBBARD, WARTED. Slightly larger than the original Hubbard, with dark green, hard, warty skin. The longest keeper of all the Hubbard Squashes. Flesh thick and of fine quality.

HUBBARD, BLUE. A large variety having a hard, blue-grey shell. It is a long-keeping sort and of finest quality.

HUBBARD, GOLDEN. Similar to the Improved Hubbard, except that the skin and flesh are bright yellow. Very dry and of excellent flavor. Particularly good for pies on account of its bright color.

NEW ACORN or **TABLE QUEEN.** Excellent for pies and keeps as well as Hubbard. Fruits are 5 to 6 inches long and 4 inches in diameter; smooth dark green skin and thick orange flesh. Very prolific.

Beckert's Pittsburgh Tomato

Liebesàpfel (Ger.)

TOMATO

Pomo d'oro (Ital.)

One ounce will produce about 2500 plants

Tomatoes are warmth-loving plants. The seed should be sown in February or March, either in the hotbed or in boxes placed in a warm, sunny window, using fine, mellow soil and watering carefully as required. When the seedlings are about 2 inches tall, reset them in pots or in rows 4 to 5 inches apart, keeping the temperature about 60°. A subsequent transplanting will make them more branching and stocky. Do not set the plants out in the open ground until all danger from frost is past. As the weather becomes warm and settled, harden the plants by exposing them to the open air for a few hours in the middle of the day for a week or so and then plant them out in a warm, sunny spot and water them freely until they are well established.

EARLY FRUITED VARIETIES

BREAK O'DAY. Originated by the late Dr. F. J. Pritchard of the U. S. Dept. of Agriculture in 1930. A cross between Marglobe and Marvana, possessing all the wilt resistance of its parent Marglobe, but at least 2 weeks earlier. Fruits medium large, globe-shaped, red and of delicious flavor.

SPARK'S EARLIANA. Ready to pick 100 days after the seed is sown. Medium size, handsome shape, bright red; quite solid; of rather acid quality. Season of bearing short.

WAY-A-HEAD. Is a distinct new type with a vigorous disease resistant foliage. The fruits are of good size and fine quality, the earliest tomato in cultivation.

JUNE PINK. Identical with Earliana, but pink in color. A good producer and resistant to blight. 100 days.

SECOND EARLY VARIETIES

PRITCHARD or SCARLET TOPPER. Gold Medal Winner —1932. A scarlet self topping, disease resistant variety, originated by the late Dr. F. J. Pritchard of the U. S. Department of Agriculture in 1931. Resulting from crossing Marglobe and Cooper's Special, it inherited fine qualities from each parent. Fruits are of good size, smooth, globular, extremely solid and heavy with thick walls and of deep scarlet color. It is uniformly fruited, exceedingly productive and borne in clusters.

BONNY BEST. Follows Earliana by about ten days and is, without a doubt, the most widely grown early Tomato. The fruits are slightly larger than those of Manyfold, averaging 3½ inches in diameter, and the plants are almost as prolific. Although Bonny Best does not have a long bearing season, the yield is so large under any conditions as to make it a most profitable variety to grow. Particularly suited for light, sandy soils; fruit smooth and solid, ripening uniformly; bright red.

JOHN BAER. Ripening a few days after Earliana, produces larger fruits and plenty of them. On account of its wider soil adaptability, it is a better kind to grow for first-early in the home-garden than Earliana. Always smooth, semi-globe shaped, bright red; quality excellent.

CHALK'S EARLY JEWEL. Vigorous and productive, second-early. The large fruits are bright, deep scarlet-red, somewhat flattened, smooth, very solid.

MAIN CROP SCARLET VARIETIES

BECKERT'S PITTSBURGH. A main crop scarlet fruited variety that is free from blight and wilt. Unsurpassed in form, color, substance and a heavy yielder. Fruits are smooth, deep and blocky in shape with solid cell structure, setting in clusters of from 5 to 7. The vine growth is heavy and dark green in color.

MARGLOBE. This variety is of the finest quality. Recently introduced by the U. S. Dept. of Agriculture, this main crop variety has come into wide use by the home-gardener, trucker and shipper. Plants are vigorous with heavy foliage, resistant to wilt and Nail-head rust. Fruits medium large, nearly globular, smooth, solid, with thick walls and cross sections.

GREATER BALTIMORE. A select strain of Stone, ripening several days earlier and nearly as productive. Largely grown for canning in the Northern States.

STONE. An old favorite—the standard Tomato for main-crop and canning. Immensely productive; fruits large and smooth, bright scarlet, solid and meaty.

MATCHLESS. Another strain of Stone, with extra-large fruits; late but the heaviest yielder of all. The best main-crop variety for the home-garden. Rich cardinal-red; flesh solid and of the finest quality.

KEYSTONE STATE. A second early variety which was introduced a few years ago by the well known hybridizer, W. E. Vail, Westchester County, New York. The fruit which matures in about 110 days is a good scarlet color and quite large in size; smooth skin with solid, regularly formed seed structure. Vines of medium growth, light green in color.

TOMATO	Pkt.	½ Oz.	Oz.	¼ lb.	Lb.
Break O'Day	$ .15	$ .40	$ .75	$2.25	$8.00
Spark's Earliana	.10	.30	.50	1.50	5.00
Way-A-Head	.10	.35	.60	1.75	6.00
June Pink	.10	.35	.60	1.75	6.00
Pritchard or Scarlet Topper	.15	.40	.75	2.25	8.00
Bonny Best	.10	.30	.50	1.50	5.00
John Baer	.10	.30	.50	1.50	5.00
Chalk's Early Jewel	.10	.30	.50	1.50	5.00
Beckert's Pittsburgh	.10	.35	.60	1.75	6.00
Marglobe	.10	.35	.60	1.75	6.00
Greater Baltimore	.10	.35	.60	1.75	6.00
Stone	.10	.35	.60	1.75	6.00
Matchless	.10	.35	.60	1.75	6.00
Keystone State	.10	.35	.60	1.75	6.00

TOMATOES, Continued

MAIN CROP—PINK VARIETIES

GLOBE. An outstanding variety; most valuable purple Tomato. Commencing to bear in early mid-season, it produces an enormous crop of handsome, distinctly globe-shaped fruits of the very finest quality. On light or sandy soils the yield is considerably reduced, so we recommend Globe particularly for medium and heavy soils, under which conditions it is sure to satisfy the most critical of Tomato growers. As a home-garden Tomato it is unexcelled, being suitable for salads, stewing, canning—in fact, for every purpose.

BEAUTY. A productive main-crop variety; fruits of good size, smooth, solid, never cracking; quality excellent.

BUCKEYE STATE. With the exception of Ponderosa, this is the largest-fruited purple variety; late but a very heavy yielder, especially on river-bottom land. Smooth and meaty; purplish crimson in color.

OXHEART. It is no doubt an off-spring of the Ponderosa family. It is not a heavy cropper and not suitable for general farming but more adapted to gardens where it can be staked up and also for any one wanting to grow prize tomatoes, as it grows enormous sized oxheart shaped fruits which are of a purple color, having a very thick flesh of excellent quality and very few seeds.

TRUCKERS' FAVORITE. A purple-fruited counterpart to Stone. Extremely productive; fruits large, solid, smooth and of the finest quality. A few days later than Beauty but a heavier cropper.

PONDEROSA. The largest of all Tomatoes, regardless of color. Properly grown, a single plant will often bear from 20 to 30 large fruits, generally in clusters of three, each cluster weighing from 1½ to 2 pounds.

EARLY DETROIT. Follows June Pink; fruits larger, uniformly smooth and well-colored. A good producer on any soil.

BECKERT'S VELVET SENSATION. Introduced by us in 1930, this second-early, pink fruited variety is the largest Tomato we know of. It is quite smooth considering its large size and the seed cell structure being broken makes it quite solid. Matures in 108 days, setting in clusters of from 3 to 5. Vine growth is rather tall and light green in color.

Beckert's Velvet Sensation

Globe Tomato

VARIOUS OTHER TOMATOES

DWARF CHAMPION. Compact, bushy plants averaging 3 feet tall by 2 feet across. Medium size, smooth, pink fruits of good quality.

DWARF STONE. A dwarf type main crop variety with scarlet fruits of rather large size; solid and a good cropper.

YELLOW PONDEROSA. A main crop yellow-fruited variety of mild flavor. Fruits are large, rough and flattened in shape.

FORCING TOMATOES

CARTER'S SUNRISE **COMET**

STERLING CASTLE

Forcing Tomatoes, Each Pkt. 15c; oz. 90c

SMALL FRUITED or PRESERVING VARIETIES

Used principally for preserves or eaten raw; all very sweet and mild in flavor.

Red Cherry	**Red Pear**	**Golden Husk**
Yellow Cherry	**Yellow Pear**	**Purple Husk**
Red Peach	**Red Plum**	**Red Currant**
Yellow Peach	**Yellow Plum**	

Each, pkt. 10 cts., ½ oz. 35 cts.

TOMATO	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
Globe	$ .10	$ .35	$ .60	$1.75	$6.00
Beauty	.10	.30	.50	1.50	5.00
Buckeye State	.10	.40	.75	2.25	8.00
Oxheart	.10	.40	.75	2.25	8.00
Truckers' Favorite	.10	.35	.60	1.75	6.00
Ponderosa	.10	.40	.75	2.25	8.00
Early Detroit	.10	.35	.60	1.75	6.00
Beckert's Velvet Sensation	.10	.35	.60	1.75	6.00
Dwarf Champion	.10	.30	.50	1.50	5.00
Dwarf Stone	.10	.35	.60	1.75	6.00
Yellow Ponderosa	.10	.40	.75	2.25	8.00

Early White Milan Turnips

Weisze Rüben (Ger.)

TURNIP

Navone Rapa (Ital.)

One ounce will sow 150 ft. of row; two pounds per acre

For early use, sow Turnip seed as soon as the ground can be prepared, scattering it in drills 15 inches apart, and thin the plants to stand 8 inches apart. Succession sowings may be made at intervals of a fortnight until the last of August. The sowings should be made just before a rain if possible, as the success of the crop depends, in a great measure, upon quick germination and the rapid growth of the young plants. Turnips develop best during cool weather; consequently, the main crop is usually started in August to mature in the cool fall months. For this reason, Turnips are a most desirable crop to follow other vegetables which are harvested early in the season. It is not advisable, however, to sow Turnips where cabbage or radish crops have been grown on account of the danger from root maggots. The larger sorts of Turnips and the Rutabagas are splendid keepers and at least a few should be grown in every garden for winter use.

EXTRA-EARLY WHITE MILAN. Extremely early and of fine quality. Roots white, flat, sweet and tender, 2 to 2½ inches in diameter; maturing in 50 days from sowing. Valuable for first-early, but not a keeper. Excellent for forcing.

EXTRA-EARLY PURPLE MILAN. An extra early sort with small tops and very flat white roots, with purple tops; flesh fine grained, sweet and tender.

PURPLE TOP WHITE GLOBE. Our pure-bred strain of this popular main crop Turnip is noted for its uniformity and heavy yield. Roots large, globe-shaped, very smooth, upper part purple-red, balance white; flesh white, sweet, crisp and tender. Tops dark green, large and erect. A splendid keeper.

PURPLE TOP STRAP-LEAF. A medium early, very productive variety, used extensively for home and market-gardening. Roots flat, purple-red at top, white below; flesh white, fine grained and tender. Good keeper.

SEVEN TOP. A very hardy sort, grown principally for the large tops which are used as greens.

RUTABAGA or SWEDISH TURNIP

These grow to a very large size, requiring a long season, and should be sown not later than July first. They are grown chiefly for stock but are also excellent for cooking in spring.

PURPLE-TOP YELLOW. Hardy; large, firm roots with well-flavored yellow flesh.

GOLDEN NECKLACE. Extra fine improved strain without neck. Tops rather short, but good size root. Flesh yellow and fine grained. Best of all yellow fleshed varieties.

TURNIP	Pkt.	Oz.	¼ lb.	Lb.
Extra-Early White Milan	$ .10	$ .15	$ .40	$1.00
Extra-Early Purple Milan	.10	.15	.40	1.00
Purple-Top White Globe	.10	.15	.30	.75
Purple-Top Strap-Leaf	.10	.15	.30	.75
Seven Top	.10	.15	.30	.75
RUTABAGA				
Purple-Top Yellow	.10	.15	.30	.75
Golden Necklace	.10	.15	.30	.75

MISCELLANEOUS FARM SEEDS

Prices Variable. Please Write for Latest Prices.

BARLEY, Beardless. An early yielder and a heavy cropper.

BUCKWHEAT, Japanese. Prolific yielder; makes a high grade flour.

COW PEAS, New Era. Makes good forage and green manure; produces a large crop.

Whippoorwill. The best variety for general purposes.

MILLET, German or Golden. A valuable early annual hay and fodder crop.

OATS, Storm King. Side Oats with strong growth of straw. Long heads with large white plump grains.

Swedish. Very prolific; straw heavy and stiff and the grains are white, large and plump.

Victory. Straw of good length and stands up well; heads are branching and well filled.

RAPE, Dwarf Essex. Valuable for quick pasture for all kinds of stock also makes an excellent green manure.

RYE, Spring. Grown for grain crop or turning under to improve poor soils.

SOY BEANS, Manchu. A very heavy cropper. Valuable for forage and turning under to enrich the soil.

Wilson. An early variety best suited for northern states for seed production, hay or ensilage or for plowing under.

VETCH, Hairy or Winter. Generally planted in late summer or early fall for early pasture; valuable also for improving worn out soils.

Spring. Similar to Hairy Vetch, but not so large nor so hardy.

WHEAT SPRING, Marquis. The standard variety; dependable yielder. Does not shatter easily, stands up well.

FIELD CORN

PRICES ON FIELD CORN SUBJECT TO MARKET CHANGES. PLEASE WRITE FOR LATEST PRICES AND SAMPLES.

PEDIGREED FIELD CORN

Thoroughbred stock. Tipped and butted before shelling and of the highest germination. Write for samples.

REID'S YELLOW DENT. Ears 9 to 10 inches long. 16 to 20 rows; kernels light yellow, deeply dented; cobs medium size. Yields 85 to 100 bushels to the acre. Matures in about 110 days.

IMPROVED LEAMING. Medium-early and productive. Ears 8 to 11 inches long, 7½ to 8½ inches in circumference, 16 to 24 rows, well filled from tip to butt; grains glossy yellow, square and deep.

LANCASTER COUNTY SURE-CROP. A comparatively new variety which might be described as an extra-large Leaming. Very productive, making a big growth of fodder.

PRIDE OF THE NORTH. A Yellow Dent variety, maturing in 90 days with ears measuring from 8 to 10 inches long, 16 rows on the ear, the cob is small while the grain is above medium size, closely set.

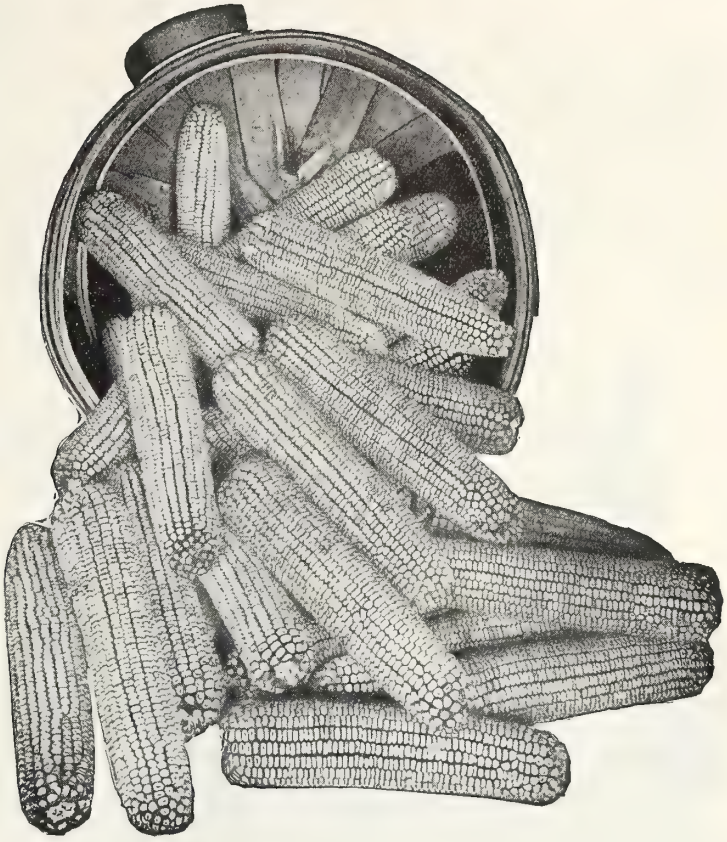
WHITE CAP YELLOW DENT. An early sort which grows well on a light soil, the grain is yellow with a white tip. This variety is nearly as early as Pride of the North maturing in 90 to 95 days, the ears measure from 8 to 10 inches, well filled with 16 to 18 rows.

FODDER AND ENSILAGE CORN

EUREKA. A vigorous grower with large stalks and unusually heavy foliage, producing from one to three ears to the stalk.

BECKERT'S BLUE RIDGE. Grows tall, very leafy and full eared. It will out-yield any variety of Ensilage corn, in quality, height and tonnage, growing to a height of 14 to 16 feet. This seed corn is grown at a high altitude in the Blue Ridge Mountains of Virginia.

VIRGINIA HORSE-TOOTH. The popular fodder Corn of the southern states; from 12 to 14 feet high, and stiff enough to stand up during severe storms. Seed is white, broad, and deep; white cob.



HIGHEST GRADE CLOVER SEEDS

PRICES ON CLOVER SEED SUBJECT TO MARKET CHANGES—PLEASE WRITE FOR LATEST PRICES AND SAMPLES.

Inoculate this Seed with NOD-O-GEN

Alfalfa or Lucerne (Medicago sativa). Alfalfa will grow on any well-drained soil, but seems to prefer the upland soils containing an abundance of lime. It yields large crops of the most valuable hay. As a soil enricher, Alfalfa has few equals. After a field has been put in Alfalfa for several years, it is in better shape than it could ever be put by using tons and tons of manure. Sow broadcast at the rate of 12 to 15 pounds per acre. We carry the highest grade northwestern-grown seed. Prices on request.

Alfalfa, Grimm. Very hardy. Because of its root-system, it will grow well over a hardpan soil, and is adapted to a wetter soil than the other Alfalfa. We recommend 10 pounds of the seed, sown broadcast, to the acre, as its stooling habit requires less seed to be sown than other Alfalfa offered. Prices on request.

Alsike or Swedish (Trifolium hybridum). This is one of the hardest varieties of Clover and the only Clover that will thrive on damp or slightly acid land. It is finer and more leafy than Medium Red but does not grow so high. It is often sown with Medium Red Clover and Timothy, and the quality of hay thus produced is excellent. Prices on request.

Mammoth Red (Trifolium pratense perenne). Also known as Cow Grass and Pea Vine Clover. Grows larger and lasts longer than Medium Red. Valuable for reclaiming exhausted land by plowing under as a green manure. Prices on request.

Crimson or Scarlet (Trifolium incarnatum). This makes the earliest possible spring pasture, blooming the latter part of April or May. The seed may be sown any time from June to October, at the rate of 15 to 20 pounds to the acre. For feeding as hay, it should be cut just before it comes into bloom. Prices on request.

Medium Red (Trifolium pratense). The most widely grown of all the Clovers and one of the most valuable. It makes two crops a year; the first is usually cut when in bloom for hay, while the last crop may be harvested for seed, cut for hay, or plowed under to add fertility to the soil. Like all of the Clovers, Medium Red does not exhaust the soil on which it is grown but actually enriches it with nitrogen. It may be sown either in spring or fall, at the rate of 10 to 15 pounds per acre if no other grasses are used. Prices on request.

White Sweet or Bokhara (Melilotus alba). Biennial. Largely planted on light, sandy soils for turning under to improve the soil, and to inoculate it for future crops of Alfalfa. If wanted for feed or forage, it should be cut when quite young. Also a valuable bee-pasture. Prices on request.

Hubam or Annual White Sweet Clover. Discovered at the Iowa State Agricultural College in 1916, its valuable qualities were recognized at once and every effort has been made to save and increase the seed from the original twenty-two plants. Hubam Clover is an annual form of the White Sweet Clover, accomplishing in one year everything that ordinary Clovers do in two. It begins to bloom in about 3 months after seeding and continues for several months, attaining a height of 6 to 7 feet. It thrives on any kind of soil and, once started, it is not in the least affected by the severest drought. Sow in early spring at the rate of 8 to 12 pounds to the acre broadcast. Prices on request.

White Dutch (Trifolium repens). A very dwarf, rapid growing Clover which thrives in poor soil and remains green during hot, dry spells. Used largely in lawns, where other grasses do not do so well.

GLADIOLUS

Constant improvement in Gladiolus has greatly increased the interest in them and they are being planted in greater numbers each season. For cutting purposes, the bulbs may be planted in rows 12 to 18 inches apart, setting the bulbs 3 to 4 inches apart and planting to a depth of 6 inches. The flowering spike should be cut just as soon as the lower flowers open; the remaining buds will open if kept in fresh water and the open flowers removed as they fade. The stems should be clipped when the water is changed. Treated thus, a spike will last over a week.

For garden planting, they appear to best advantage in groups or masses and are best used in conjunction with some annual or bedding subject where they can be timed to flower in late summer when garden color is most desired. Groups can also be used effectively in the perennial border. A more continuous effect can be had by making successive plantings, beginning as soon as the ground can be worked, in early spring, and planting at intervals until June.

The prices named below are for the largest size bulbs—the only size we offer. They average 1½ inches or more in diameter, and are sound, vigorous, and free from disease. Such bulbs are sure to bloom, and will produce the longest, strongest spikes and the largest flowers. They are not to be compared with the smaller bulbs commonly offered and often incorrectly named "first-size."

If wanted by mail, add 8 cts. per dozen bulbs

Beckert's Large Flowering Gladiolus

10 NEWER VARIETIES

BETTY NUTHALL. A warm, light coral with pale orange throat and a light feathering of carmine; flowers are often six inches across, of splendid substance and well placed on tall, strong spike. One of the best gladioli of later introduction. **12 cts. each, $1.25 per doz., $8.00 per 100.**

COMMANDER KOEHL. Brilliant scarlet-blood-red with large flowers on a tall, strong stem. A recent introduction which is considered one of the finest and sturdiest of the dark reds. **18 cts. each, $1.75 per doz. $12.00 per 100.**

MARMORA. One of the finest Gladiolus ever introduced. Lavender to lavender-gray with petunia-colored blotch. Tall strong stems with from eight to twelve very large flowers open at once. **18 cts. each, $1.75 doz., $12.00 per 100.**

MINUET. A beautiful clear, light lavender, four to six large, heavily textured blooms open at once on a good, strong stem. This is the lavender by which all other lavenders are judged. Considered by most growers as the last word in a light lavender gladiolus. **12 cts. each, $1.25 per doz., $8.00 per 100.**

MR. W. H. PHIPPS. La France pink overlaid with salmon-rose, lower petals faintly striped and speckled with ruby; has enormous flowers and spike. **10 cts. each, 90 cts. per doz., $6.00 per 100.**

MRS. F. C. HORNBERGER. A beautiful snow-white without any markings, but occasionally showing a faint flush of pink. Flowers nicely ruffled, wide open, perfectly placed on a strong sturdy spike. **12 cts. each, $1.25 doz., $8.00 per 100.**

MRS. P. W. SISSON. Outstanding clear cameo-pink variety; large flowers well placed on strong vigorous stems. **10 cts. each, 90 cts. doz., $6.00 per 100.**

MRS. VAN KONYNENBURG. A matchless aniline-blue, considered the finest of its color in Gladiolus. Grows five feet in height on erect stems with beautifully formed flowers, well placed on the stem. **12 cts. each, $1.25 doz., $8.00 per 100.**

RED GLORY. Rich fiery red; a sport of Purple Glory, which it resembles in everything but the color. A real beauty. **12 cts. each, $1.25 per doz., $8.00 per 100.**

YELLOW WONDER. Pure soft yellow, large flowers without any markings. Strong, healthy grower. **10 cts. each, 90 cts. per doz., $6.00 per 100.**

Semesan is a good disinfectant for all Bulbs and Tubers. Dust your Gladiolus with it at planting time. It protects against fungus and disease. **2 ozs. 50 cts., lb. $2.50, 5 lbs. $11.75.**

GLADIOLUS (continued)

THE BEST STANDARD VARIETIES

CAPTAIN BOYNTON. Beautiful lavender with deeper blotch on lower petals. Large flowers, perfectly placed on tall, strong stems. **6 cts. each, 60 cts. doz., $4.00 per 100.**

CHARLES DICKENS. Purple violet, similar to Anna Eberius, but taller spikes and more flowers on the stem. A very good grower and choice variety. **7 cts. each, 75 cts. per doz., $5.00 per 100.**

COPPER BRONZE (Primulinus). Fine large flowered of peculiar but pleasing coloring best described by the name. **5 cts. each, 50 cts. per doz., $3.50 per 100.**

DR. F. E. BENNETT. Peach red, overlaid with flame scarlet throat speckled ruby and creamy white; very large flowers of great substance, on strong stems. **6 cts. each, 60 cts. per doz., $4.00 per 100.**

EUROPA. Splendid pure white; the large, well shaped flowers all open at a time, making it a gorgeous display of the purest white; absolutely the best white in existence but very poor propagator. **7 cts. each, 75 cts. per doz., $5.00 per 100.**

FERN KYLE. Large ruffled, creamy-white flowers, on long sturdy spikes. An excellent variety. **7 cts. each, 75 cts. doz., $5.00 per 100.**

GIANT NYMPH. Light rose-pink, very large, wide open flowers, well arranged on 6 foot stems. **6 cts. each, 60 cts. per doz., $4.00 per 100.**

GLORIANA. Finest golden salmon with pure yellow throat. Large, well opened flowers; many open at a time on always straight, strong and tall stem. A very beautiful variety. **6 cts. each, 60 cts. per doz., $4.00 per 100.**

GOLDEN MEASURE. Pure golden yellow, considered the best yellow on the market, a super-Glad. **6 cts. each, 60 cts. per doz., $4.00 per 100.**

LOS ANGELES. Beautiful shrimp pink with a glowing orange carmine blotch in throat, tall and graceful, one of the best forcing varieties, most bulbs blooming with two spikes. **6 cts. each, 60 cts. per doz. $4.00 per 100.**

MRS. DR. NORTON. Fresh clear apple-blossom-pink; large flowers on long, slender spikes. **6 cts. each, 60 cts. per doz., $4.00 per 100.**

MRS. FRANK PENDLETON. Large wide-open flowers of vivid bluish-pink, with a brilliant scarlet blotch in the throat. **5 cts. each, 50 cts. per doz., $3.50 per 100.**

MRS. LEON DOUGLAS. Begonia rose striped with scarlet, tremendously large flowers with several side shoots, forming a gigantic bouquet. **5 cts. each, 50 cts. per doz., $3.50 per 100.**

SCARLET WONDER. Purest deep scarlet; mammoth flowers, many open at a time on tall, stiff stems; a real giant. **5 cts. each, 50 cts. per doz., $3.50 per 100.**

SOUVENIR. The newest and finest deep yellow. Tall with extra-large flowers. Early and a good shipper. **5 cts. each, 50 cts. per doz., $3.50 per 100.**

VIRGINIA. Flaming scarlet, large, massive flowers, many open at a time, making a gorgeous display of dazzling red, good forcer. **5 cts. each, 50 cts. per doz., $3.50 per 100.**

BECKERT'S SUPERB MIXTURE

An unexcelled blend of a large number of fine and distinct varieties of Gladiolus. This is a specialty of ours and not to be compared with ordinary mixtures. Selected bulbs. **5 cts. each, 45 cts. per doz., $3.25 per 100.**

BULBS AND ROOTS

HARDY GARDEN LILIES

For Spring Planting

	Each	Doz.
AURATUM (Gold-banded Lily). Ivory-white with central band of yellow and numerous purple spots. Mammoth bulbs	$ .35	$3.50
REGALE. Extremely hardy and strong growing variety with fragrant white blooms shaded to yellow in the center, with a pink tinge in in the outer petals	.35	3.50
SPECIOSUM ALBUM. Pure white, with green band in the center of each petal; exquisitely dainty and beautiful; very fragrant	.35	3.50
SPECIOSUM MAGNIFICUM. Flowers larger than any of the other Speciosums. Rose, heavily spotted with rich crimson. Large bulbs	.35	3.50
SPECIOSUM MELPOMENE. Large, rich carmine flowers, heavily spotted blood-red. Large bulbs	.35	3.50
SPECIOSUM RUBRUM or ROSEUM. White, shaded with deep rose, and spotted red. Magnificent; free-blooming. Large bulbs	.35	3.50

CANNAS

CITY OF PORTLAND. Large size glowing pink flowers, rich green foliage. Height 3½ ft. **10 cts. each, $1.00 per doz., $7.00 per 100.**

FIERY CROSS. A consistent bloomer having big scarlet blooms over a long period, green foliage. **10 cts. each, $1.00 per doz., $7.00 per 100.**

KING HUMBERT. Orange-scarlet blooms of immense size, luxuriant bronze foliage. Height 4½ ft. **8 cts. each, 90 cts. per doz., $6.00 per 100.**

THE PRESIDENT. This is considered the best of the red flowering sorts. Enormous glowing scarlet blooms on strong stems, green foliage. Height 4 ft. **10 cts. each, $1.00 per doz., $7.00 per 100.**

YELLOW KING HUMBERT. A large yellow orchid flowering type, whose blooms are blotched red, foliage green. **8 cts. each, 90 cts. per doz., $6.00 per 100.**

MISCELLANEOUS

AMARYLLIS, Beckert's Giant American Hybrids. There is nothing better for the window-garden than Amaryllis bulbs—they are easily grown. **50 cts. each, $5.00 per doz.**

BEGONIA, Tuberous-rooted. A complete assortment of all colors. **Single mixed colors: 25 cts. each, $2.50 per doz. Double mixed colors: 30 cts. each, $3.00 per doz.**

CALADIUM esculentum (Elephant's Ear). Grown for its imposing leaves, which are shield-shaped, bright green in color, and often measure 3 feet or more in length and breadth. Requires a rich soil and an abundance of water. 9x11 inch circumference. **15 cts. each, $1.50 per doz.**

ISMEME (Peruvian Daffodil). Summer flowering bulbs bearing a profusion of handsome lily-like fragrant white flowers in clusters. **20 cts. each, $2.00 doz.**

MADEIRA VINE. A rapid-growing climber which quickly covers porch trellises, etc. Graceful racemes of white flowers. **8 cts. each, 75 ts. per doz.**

TUBEROSE, Double Pearl. The best variety; creamy white, very fragrant, double flowers. Start in March in the greenhouse for early flowers. Plant about the middle of May in the open. Mammoth bulbs. **7 cts. each, 65 cts. per doz., $4.50 per 100.**

DAHLIAS

The Dahlia is, unquestionably, the King of Autumn Flowers. There seems to be no limit to their popularity. The modern Dahlias bear but little resemblance to the stiff, old-fashioned "ball" Dahlias of a generation back.

The reasons for the popularity of the Dahlia are not hard to find. They are easy to grow, requiring a well-dug but only moderately rich soil and a fairly sunny situation. The tubers may be planted any time from April 25 to July 1, in this latitude, but the first of June is generally the best time to set them out. June-planted Dahlias come into bloom after the hot days of summer have passed and produce the largest and finest flowers. Set the tubers with the crown or eyes up and cover with about 4 inches of soil. Allow only two or three main stalks to develop in each hill. Give plenty of room; at least 2, and better 3, feet between each plant. A light application of fertilizer when the buds first appear is advisable. To produce exhibition flowers, careful trimming and disbudding is practised.

SPECIAL COLLECTION
SIX GIANT DAHLIAS $2.00

One strong root of each of the following beautiful Dahlias, Grace Ricords, Jane Cowl, Jersey Beauty, Jean Chazot, Mr. Crowley, Mrs. I. DeVer Warner.

See Descriptions Below

A DOZEN SUPERB DAHLIAS

From the large number of Dahlias introduced in recent years we have selected the following meritorious, large-flowering varieties, any one of which will add an outstanding sort to your garden list. With proper culture they will produce strong, sturdy plants with the finest of large size blooms. Furnished in strong divided tubers.

BARBARA REDFERN (Decorative). The flowers are of immense size and good depth. In color they are a delightful blending of old rose and gold and are borne on heavy stiff stems. **$1.00 each.**

FORT MOMMOUTH (Hybrid Cactus). A wonderful Dahlia which attracts instant attention. The tall sturdy dark green foliage is surmounted by well formed giant blooms of a rich crimson maroon with a tinge of violet at the tips. A good keeper and abundant bloomer. **$1.00 each.**

GRACE RICORDS (Decorative). A beautifully formed flower of good size, supported on a strong stem. The glorious blooms are of white faintly suffused lavender. When well grown makes an excellent exhibition variety. **50 cts. each.**

IDA PERKINS (Decorative). A magnificent pure white with full center and of fine form. The large showy blooms are produced in profusion and are admirable for cutting. An early bloomer. **$1.00 each.**

JANE COWL (Decorative). A massive bloom of buff and old gold blending with salmon. The stem is of unusual strength which supports the bloom well above the foliage. **50 cts. each.**

JEAN CHAZOT (Cactus). One of the best of the recent introductions for general all around purposes. Flowers of golden bronze with a faint touch of nasturtium-red. **50 cts. each.**

JERSEY BEAUTY (Decorative). Lovely pink with the tips of the petals slightly touched with gold. A large perfect bloom on very long stiff stems. One of the finest Dahlias ever introduced. **50 cts. each.**

MAY TROWER (Decorative). A beauty of pale gold deepening to apricot, often tipped white. Large unique variety held aloft on strong stiff stems. **75 cts. each.**

MR. CROWLEY (Decorative). A plant of dwarf habit having large sized flowers of a beautiful luminous shade of salmon-pink. One of the best garden and cutting varieties. **50 cts. each.**

MRS. A. B. SEAL (Decorative). An immense bloom and considered the finest old rose Dahlia grown. The long stems hold the flowers well over the foliage. **$1.00 each.**

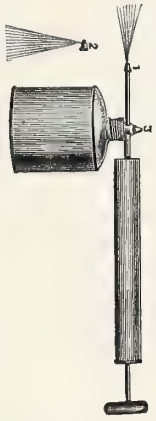
MRS. I. DE VER WARNER (Decorative). A deep-mauve pink of perfect form and large size. A free and continuous bloomer, excellent for exhibition as well as for general garden purposes. **35 cts. each.**

ROSE FALLON (Decorative). Large blooms of dark orange tinted amber and salmon, of good form. An excellent cut flower. **75 cts. each.**

SPRAYERS AND DUSTERS

BROWN'S No. 50 SPRAYER

Durable and Strongly Made Capacity 3 Gallons Galvanized Tank $5.00 Brass Tank $7.00



Jake

OTHER KNAPSACK SPRAYERS

Acme No. 546G. 2½ gal. galvanized tank; self filling top.$ 3.75
Acme No. 546B. 2½ gal. brass tank; self filling top.... 5.00
Hudson No. 110G. 4 gal. galvanized tank; bottom filler.. 6.00
Hudson No. 110B. 4 gal. brass tank; bottom filler..... 9.00
DuMore. 4 gal. galvanized tank; side arm movement... 10.50
Vermorel No. 1. Solid copper tank; double action pump $20.00

BARREL SPRAYERS

Eureka. 50 gal. steel barrel, mounted on steel cart with two 36 inch wheels. Fully equipped; weight 125 lb...$35.00
Sunshine. Heavy galvanized steel tank, capacity 12½ gal. Mounted on one wheel cart. Fully equipped..... 12.50
Paragon No. 3. A reliable outfit suitable for all outdoor spraying and whitewash work. Powerful pump with 12 gal. heavy tank set on a two-wheeled cart. Fully equipped 22.50
Meyers Cog Gear No. R308. A thoroughly serviceable pump, well made and simple in construction. Pump only, **$17.50. No. R308B** fully equipped together with 50 gal. wooden barrel....$25.00

BUCKET SPRAYERS

Brown	Little Giant	Standard
$3.50	$4.00	$4.00

HAND SPRAYERS

Glass Jar—3 oz. capacity; handy size....$ .15
Glass Jar Acme. One quart; continuous spray..... .85
Tin, Midget and Acme. One pint; not continuous..... .30
Tin, Misty and Acme. One quart; not continuous..... .45
Galvanized, Acme. One quart; continuous spray..... .75
Galvanized, Jake. One quart; continuous spray..... 1.00
Brass, Jake. One quart; continuous spray..... 1.75
Brass, Acme. One quart; continuous spray..... 1.00
Rubber Sprinkler. Small, **50 cts.,** large..... 1.25
Syringes, Brass English. Small size—12x1⅛ inches.... 4.50
Syringes, Brass English. Medium—16x1¼ inches..... 6.50
Syringes, Brass English. Large—18x1½ inches..... 12.50

DUSTERS

Glass Jar, Crystal. Continuous discharge of fine dust: 1 quart ....$ 1.25
Heavy Tin, Acme. Throws a cloud of fine dust..... .75
Bluebird. Strongly built duster with high speed fan operated by crank handle. Flow can be automatically adjusted 20.00
Carbola. Strongly made and durable..... 1.00
Bellows, Woodason's. Small size, **$4.00;** large size..... 5.00

CULTIVATORS AND SEEDERS

No. 12 CULTIVATOR
Price $10.25

PLANET JR. TOOLS

No. 12 Cultivator. A very popular double wheel hoe because the equipment is just what the average gardener needs. Equipment, 1 pair 6 inch hoes, 4 cultivator teeth, 1 pair plows and leaf lifters....$10.25
No. 11 Cultivator. The fullest equipped double wheel hoe we offer. Same equipment as No. 12 plus 1 pair 4½ inch hoes, 2 three tooth and 2 five tooth rakes....$13.00
No. 17 Cultivator. Single wheel hoe with 15 inch wheel and equipped with 1 pair 6 inch hoes, 3 cultivator teeth and 1 large plow $7.35
No. 300 Drill Seeder. Ideal machine for the trucker and farmer. 2½ inch tread wheels front and rear. Hopper capacity 4 quarts $18.75
No. 35 Seeder Attachment. Can be attached to any Planet Jr. Single or double wheel hoe. Can also be used separately if desired $5.75
Fire Fly Plow and Cultivator. Will throw a furrow 4 to 6 inches wide and 3 inches deep....$4.00
Star Pulverizer. A weeder, cultivator and mulcher all in one. Light and easily handled....$2.85
Juvenile Cultivator. A handy light weight tool.....$2.50

IRON AGE TOOLS

Hill and Drill Seeder and Wheel Hoe No. 306. Quickly changed from a seeder to a wheel hoe. Complete assortment of all working tools....$20.00
New Model Seed Drill. Sows all kinds of seeds; automatic control device regulates flow of seed. Capacity 2 quarts $12.00
Gem Single Wheel Hoe. A sturdy compact cultivator on which the handles can be adjusted to suit the height of the operator. Complete with all tools....$7.25
Hill and Drill Seeder Attachment No. 334....$7.00
Drill Seeder Attachment No. 333.... 6.50

VARIOUS CULTIVATORS, SEEDERS, ETC.

High Wheel Cultivator No. 20. Easiest of all cultivators to operate, particularly on rough ground....$3.75
Standard Hill and Drill Seeder. Opens the furrow, sows the seed, covers up, rolls down and marks the next row, all in one operation $10.00
Gilson Cultivator. Light weight, efficient tool....$3.00
Fertilizer Spreaders. Small size, **$2.00;** Medium size $ 9.00
Large size 15.00

VEGETABLE BUNCHER

Felins. Most efficient and quickest vegetable tying machine on the market. Anything that can be bunched by hand can be tied with the Felins. Equipped with universal knotter to tie cotton twine from 6 to 16 ply, braid and tape up to ¼ inch wide. Foot Power, **$70.00;** Electric Power..$140.00

REMEDIES FOR INSECTS AND FUNGUS

PRICES SUBJECT TO CHANGE

All items marked* can be sent only by express or freight as they are not allowable in the mails. All other items can be mailed, providing sufficient postage is included with your order.

All Around Spray. One product for all purposes; contains Arsenate of Lead, Black Leaf 40 and Bordeaux Mixture. **¼-lb. can 35 cts.**

***Ant Killer Antrol.** See page 67.

***Ant Killer, Terro.** Are you bothered with ants? Terro Ant Killer will rid your place of ants in 24 hours. **Bottle 50 cts.**

***Arsenate of Lead Powder.** Has all the advantages of Arsenate of Lead Paste, but goes twice as far and is easier to handle. **½ lb. 20 cts., 1 lb. 35 cts., 4-lb. bag 85 cts., 24-lb. carton in 4-lb. bags $3.75, 100 lb. $12.50.**

***Black Leaf 40, Nicotine-Sulphate (40 per cent nicotine guaranteed).** Black Leaf 40 is highly recommended by experiment stations and by spraying experts throughout the United States and the Dominion of Canada. The standard contact insecticide for spraying vegetables, fruits, flowers, and plants to destroy aphis, thrips, leaf-hoppers, and similar "sucking" insects. Also effective for dipping purposes. **1-oz. bottle 35 cts., 5-oz. bottle $1.00, 1-lb. bottle $2.25, 2-lb. tin $3.25, 5-lb. tin $5.85, 10-lb. tin $9.85.**

***Bordeaux, Dry.** One pound to 5 gals. of liquid. Full directions on package. **1-lb. carton 35 cts., 4-lb. bag 75 cts., 100-lb. bag $12.00.**

Bug Death. A fungicide, insecticide, and plant-food combined. Apply with duster or powder gun. **1 lb. 20 cts., 3-lb. pkg. 50 cts.**

Calcium Arsenate. Will effectively control Mexican Bean Beetle. **1-lb. can 25 cts., 4-lb. pkg. 65 cts., 100 lb. $9.00.**

***Ceresan.** See page 55.

***Colloidal Sulphur.** A general sulphur fungicide and contact insecticide particularly effective against red spider or red mite and scale. **8-oz. tube 75 cts., 3-lb. bottle $1.50, 6-lb. bottle $3.00.**

***Copper Solution.** A preventive for black rot, brown rot, and downy mildew of the grape, pear leaf-blight, tomato black rot, carnation rust, etc. **Qt. $1.50, gal. $4.50.**

Crow Repellant Crotox. See page 69.

***Cyanogas** (Calcium Cyanide). "G" for fumigating. "A" for dusting. This effective chemical is used for greenhouse and nursery stock fumigation, rodent control, and orchard dusting. **Lb. 75 cts., 5 lb. $3.00, 25 lb. $10.00.**

Dendrol. An improved miscible oil for dormant spraying of fruit and shade trees and shrubbery. **Qt. 60 cts., 1 gal. $1.25, 5 gal. $5.00, 15-gal. drum $11.75, 30-gal. drum $16.50, drum $1.50 extra and returnable, 50-gal. drum $24.50, drum $2.25 extra and returnable.**

***Dichloricide** (Para Dichlorobenzine). Highly recommended for killing peach tree borers. **Lb. 60 cts., 5 lb. $2.50.**

Dutox. A safe sure NON ARSENICAL control that is effective on the Mexican Bean Beetle and other leaf-eating insects. **1-lb. bag 35 cts., 6-lb. bag $1.50.**

Evergreen Plant Spray, New. Simple way to kill garden insects, no complicated instructions, simply mix with water and spray. This pyrethrum spray kills both chewing and sucking insects. Harmless to man, plants and animals. **1-oz. bottle 35 cts., 6-oz. can $1.00, 16-oz. can $2.00, 1 qt. $3.50, 1 gal. $12.00.**

Fly Spray, Bonide. Kills flies, mosquitoes, bed-bugs, moths, fleas and roaches. **Pt. 40 cts., qt. 75 cts.**

Formaldehyde Dust, Ansul. A seed and soil treating compound which controls seed-born diseases and when applied to the soil, controls the damping-off of seedlings. **1-lb. can 50 cts., 5-lb. can $2.00, 25-lb. drum $5.50.**

***Fungtrogen.** An effective and preventive treatment for mildew, blackspot and other fungous diseases of Roses, Phlox and Delphinium. **½ pt. 75 cts., pt. $1.25, qt. $2.00.**

Grafting Wax. ¼ lb. 15 cts., ½ lb. 25 cts., 1 lb. 45 cts.

Grape and Rose Dust. For mildew, mold, and rust. **1 lb. 40 cts., 5 lb. $1.50.**

"Green Tox 50." Insect Spray. Kills and repels both leaf-eating and sucking insects. Soil and surface insects on vegetables, fruit trees, flowers, shrubs, etc. Non-poisonous. **¼-pt. can 75 cts.**

***Hellabore.** Will destroy currant worms and other soft-shelled insects that infest the garden. **½ lb. 30 cts., 1 lb. 50 cts.**

Kayso. Combined casein spreader and adhesive. Reduces the waste of spray material. **2 lb. 50 cts., 10 lb. $2.00, 100 lb. $15.00.**

Lemon Oil. A reliable indoor and outdoor spray for mealy bug, scale and thrip. **Pt. 50 cts., qt. 85 cts., gal. $2.50.**

***Lime-Sulphur, Liquid.** The most generally satisfactory and effective of all dormant sprays; a safe and sure destroyer of all kinds of scale, as well as peach leaf-curl, bud-moth, apple-aphis, blister-mite, peach-worm, bark-lice, etc.; also an efficient fungicide. It is strictly a dormant spray and should not be applied while the trees are in leaf. For all ordinary spraying should be diluted with 8 to 9 gallons of cold water to 1 gallon of the Lime-Sulphur solution. **Qt. 45 cts., gal. 90 cts., 5 gal. $3.25, 30-gal. bbl. $7.75, 50-gal. bbl. $11.00. Bbls. not returnable.**

Lime-Sulphur, Powder. Used for the same purpose and has the same effectiveness as the liquid form and is much easier to handle. **1 lb. 35 cts., 5 lb. $1.50, 10-lb. bag $2.00, 25 lb. bag $4.00, 100-lb. drum $11.50.**

Mole Killer, Mologen. Will eliminate moles from lawns, etc. Will not injure soil or grass. Non-poisonous to humans or pets. **8-oz. can 50 cts.**

***Naphthalene Flakes.** Used for dusting over Gladiolus and other bulbs to control thrip. **Lb. 25 cts., 5 lb. $1.00.**

***Nicofume Liquid.** For spraying and vaporizing. **1 lb. $2.25, 4 lb. $5.75, 8 lb. $10.00.**

Nicofume Paper. Strips of paper, strongly saturated with nicotine, which when burned, give off heavy nicotine fumes. **Box of 24 sheets $1.25, 144 sheets $4.50.**

Nicofume Tobacco Powder. For fumigating greenhouses. **Lb. $1.00, 5 lb. $3.35, 10 lb. $5.85.**

***Paris Green.** More extensively used for killing potato bugs than any other poison. **¼ lb. 20 cts., 1 lb. 60 cts., 5 lb. $2.50.**

***Pomo-Green with Nicotine.** A leaf green all in one dust or spray which controls chewing and sucking insects. Effective also for blackspot and mildew. **1-lb. can 75 cts., 5-lb. can $3.00.**

***Pyrox.** The one best spray for the control of both chewing insects and fungus diseases. Easy to use—simply mix with cold water and spray. Sticks to foliage and increases yield. Use on truck crops, fruits, potatoes, etc. **Lb. 50 cts., 5 lb. $1.75, 10 lb. $3.00, 25 lb. $5.00, 50 lb. $7.25, 100 lb. $12.50.**

***Nicotine Pyrox.** Nicotine Pyrox is a special new spray which performs all the regular Pyrox functions and has an additional attraction in that it kills sucking insects—like aphis. It is the first truly complete spray—an indispensable item for successful gardening—for vegetables, small fruits and flowers. **10-oz. jar** (makes two gallons of spray), **50 cts., 5 lb. $1.75, 10 lb. $3.00.**

***Qua-Sul.** A very effective fungicide for the control of mildew and blackspot, also rust on Antirrhinum and Delphinium. Valuable also for cleansing the soil of spores and insect eggs. **Qt. $1.25, gal. $4.00.**

Red Arrow Non-Poisonous Insect Spray. (Pyrethrum Soap.) The safe, pleasant spray to use, effective on chewing and sucking insects. Safe because it is harmless to children, adults, domestic animals and useful wild birdlife. Safe, also, because it does not injure or stain flowers or foliage. Safe to use on fruits and vegetables before marketing. **1-oz. bottle 35 cts., 3½-oz. can $1.00, 1-pt. can $3.25, 1-qt. can $6.00, 1-gal. can $17.50.**

Red A Pyrethrum Powder. The highest quality of Pyrethrum in powder form; non-poisonous and harmless to leaf or flower. **Lb. 80 cts., 5 lb. $3.75.**

Roach Killer, Terro. When used according to directions is a sure kill for roaches and water bugs. **4-oz. carton 35 cts.**

Sanaseed Mouse Killer. Quick and dependable. No fuss, no muss. **Pkg. 25 cts.**

Scalecide. A complete dormant spray of highest quality of miscible oil, noted for its effectiveness against San Jose scale and all other scale insects, which winter on trees. **Qt. 60 cts., 1 gal. $1.50, 5 gal. $5.00, 15 gal. drum $10.00, drum extra $2.00; 30 gal. drum $16.50, drum extra $2.50; 50 gal. drum $23.50, drum extra $3.00. Drum cost refunded when returned prepaid to Pratt Co., Hackensack, N. J.**

***Semesan.** See page 55.

Slug Shot. Standard remedy for cabbage and currant worms, rose slugs, etc. **1-lb. carton 25 cts., 5 lb. 75 cts., 25 lb. $3.50.**

REMEDIES FOR INSECTS AND FUNGUS

Snarol. Snails, cut-worms, slugs, grasshoppers, sow-bugs, ear-wigs, etc., are exterminated. Snarol is ready prepared meal that you simply broadcast on the ground, under the vegetation. The pests eat the meal and are quickly destroyed. **1½-lb. pkg. 35 cts., 4 lb. 85 cts., 15 lb. $3.00.**

Soap, Fish Oil. Destroys soft shelled insects on plants, trees and in the greenhouse. **Lb. 35 cts., 5 lb. $1.25.**

Soap, Getz There. For washing palms and spraying tender plants. **8-lb. can $1.50.**

Sulphur. For mildew on plants, etc. **Lb. 15 cts., 5 lb. 50 cts., 100 lb. $4.00.**

Thrip Juice. Very effective in destroying thrips on grapes, aphis, red spider, mealy bug, soft scale and other sucking insects. Dilute with from 16 to 40 parts of water. **Pt. 65 cts., qt. $1.25, gal. $4.75.**

Tobacco Dust, Fine. For green and black aphis, flea-beetles, etc. Splendid fertilizer and preventive for insects in the ground and around roots. **Lb. 15 cts., 5 lb. 50 cts., 25 lb. $1.50, 100 lb. $5.00.**

Tobacco Dust, Coarse. Lb. 15 cts., 5 lb. 50 cts., 25 lb. $1.25, 100 lb. $3.50.

Tobacco Stems. Used for fumigating and as a fertilizer. **Bales about 250 lb. $2.50, ton $17.50.**

***To-Na-Cide.** A practical, dependable treatment for soil infested with insects injurious to root activity of plants such as thrips, wireworms and earthworms. **5 lb. $1.50; 25 lb. $5.00.**

Topzol Rat Bait. Ready for instant use; no mixing. **Pkg. 15 cts., doz. $1.50.**

Tree Paint, Frahm's. An effective remedy for diseased trees and shrubbery. **Qt. 75 cts., gal. $2.50.**

Tree Tangle-Foot. Protects trees from canker worms, cutworms, etc. **6 oz. 25 cts., lb. 60 cts., 5 lb. $2.75, 10 lb. $5.25, 25 lb. $11.00.**

***Vermol.** Worm eradicator, non-poisonous and harmless to lawns. **5 lb. 75 cts., 25 lb. $2.00, 100 lb. $6.00.**

Volck, Nursery. Especially adapted to nursery, greenhouse and shade-tree spraying. Controls sap-sucking insects such as scales, mites, mealy bugs, white flies, etc. **½ pt. 35 cts., pt. 55 cts., qt. 80 cts., 1 gal. $2.50, 5 gal. $7.50.**

***Weed Killer, Holmerdens.** Will kill all noxious weeds in driveways, paths, tennis courts, etc. Dilute one part to 30 to 40 parts of water; use with care, as it will also kill grass. **Qt. 50 cts., 1 gal. $1.75, 5 gal. $7.00, 55-gal. drum $55.00.**

***White Fly Vapor.** An English preparation that is a sure cure for white fly. To be used with caution. **Qt. $2.50, ½ gal. $4.00.**

Wilson's O.K. Plant Spray. Powerful and efficient spray for indoors and outdoors. Destroys aphis, red spider, lace wing fly and other soft bodied insects. **Qt. $1.00, gal. $3.00, 5 gal. $12.00, 30 gal. $57.00, 50 gal. $90.00.**

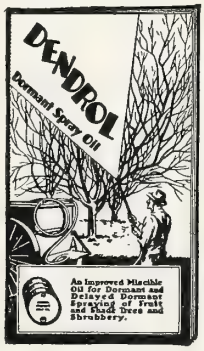
***X.L.—All Liquid.** An excellent preparation for spraying of mealy bug, red spider and other insect pests. **Pt. $1.50, qt. $2.50, ½ gal. $4.50, gal. $8.50.**

***X.L.—All Fumigator.** A powerful nicotine solution for fumigating under glass. Use one pint for 40,000 cubic feet. **Pt. $2.75, qt. $5.00.**

SMUTTOX

No Excuse for Having Smut in Oats

SMUTTOX is packed in five pound, friction top cans. The price is $1.50 per can, carrying charges prepaid. Five pounds of Smuttox is enough to treat twenty-five bushels of seed oats which are sufficient to plant from twelve to fourteen acres, making the cost approximately fifteen cents per acre.



DENDROL DORMANT SPRAY OIL

AN IMPROVED MISCIBLE OIL FOR DORMANT SPRAYING OF FRUIT AND SHADE TREES AND SHRUBBERY

1. Developed with co-operation of Crop Protection Institute.
2. An easy flowing liquid oil—not a paste form.
3. Costs less—use only two gallons to 98 of water to kill San Jose scale and aphids.
4. Kills red mite.
5. Kills many scale insects on fruit and shade trees.
6. Used for years by fruit growers and nurseries.
7. Mixes quickly even with hard water, nothing else to add.

	Prices	Add		Prices
50 gal.	$24.50	$*2.25	5 gal.	$5.00
30 gal.	16.50	*1.50	1 gal.	1.25
15 gal.	11.75	...	1 qt.	.60

*This drum deposit is returned on receipt of empty drum, less freight charges. Larger quantities quoted on request.

KILL ANTS IN THE NEST!

This New Ready-Filled Antrol Set is ready to use. Safe around pets. Simply place the glass "feeders" along ant trails, and the ants carry the Antrol Syrup to their nests for food—**quickly killing the queen and the entire ant family**—the only way to get lasting relief. **Four filled feeders in handy package**.....50c

"READY-FILLED" ANTROL SET

RED ARROW INSECT SPRAY

Simply mix with water and spray. Absolutely harmless to man, birds, pets and plants, but deadly to both chewing and sucking types of insects. Prices: **oz. 35 cts., ¼ pt. $1.00, ½ pt. $1.75, pt. $3.25, qt. $6.00, gal. $17.50.**

FERTILIZERS

Fertilizers purchased in lots of 100 lbs. or over are delivered free at prices quoted below, to your residence, if same is within our local delivery zone, which see on inside of front cover. Fertilizers to be sent by freight are 25 cts. per 100 lbs. lower than quoted price.

PRICES SUBJECT TO MARKET CHANGES

ADCO. The addition of Adco to the compost pile, or to other vegetable refuse, grass clippings, leaves, etc., at the rate of two pounds to each wheelbarrow load of refuse will produce a clean, odorless, manure within three or four months. **25 lbs. $2.00, 150 lbs. $10.50.**

ALUMINUM SULPHATE. Makes soil acid, and for this purpose is much used in the culture of rhododendrons and similar plants. Use ½ lb. per square yard. **1 lb. 20 cts., 5 lbs. 75 cts., 25 lbs. $2.50, 100 lbs. $7.50.**

ASHES, Unleached Hardwood. A splendid stimulant, fertilizer and sweetener, particularly for lawns. Apply in fall or early spring; 1,500 to 2,000 pounds to the acre.

100 lbs.	$ 3.00	1000 lbs.	$23.00
500 lbs.	12.00	2000 lbs.	44.00

BLOOMAID. Concentrated plant-food in tablet form. Fine for all kinds of plants, indoors and out. In boxes of 125 tablets, **25 cts.**

BONE MEAL, PURE RAW, No. 1. Highest grade. Contains nothing but pure raw animal bone. Vastly superior to steamed bone. Ammonia 4½ to 6 per cent; phosphoric acid 22 to 24 per cent, equal to bone phosphate 48 to 52 per cent.

5 lbs.	$ .30	100 lbs.	$ 3.50
10 lbs.	.50	500 lbs.	14.50
25 lbs.	1.10	1000 lbs.	28.00
50 lbs.	2.00	2000 lbs.	54.00

BONE MEAL FLOUR. Finest grade of bone meal made. Ground as fine as flour, used in potting soil and in the greenhouse on carnations. Ammonia 4.50 per cent, phosphoric acid 25.58 per cent, bone phosphate 50.00 per cent.

100 lbs.	$ 5.00	1000 lbs.	$41.00
500 lbs.	21.00	2000 lbs.	80.00

CLAY'S FERTILIZER. The most widely used complete fertilizer imported from England. Used mainly in the greenhouse.

7 lbs.	$1.50	56 lbs.	$ 7.00
14 lbs.	2.50	112 lbs.	12.00
28 lbs.	4.00		

COTTONSEED MEAL. Rich in nitrogen and potash; suitable for grain crops, but most largely used on lawns. Use ¾ to 1½ tons per acre. Please write for prices.

DRIED BLOOD. Contains nitrogen in the most available form, gives quick results. **100 lbs. $7.00.**

FLORANID (Urea). Is a very rich nitrogen fertilizer, in which the nitrogen is in the same form as a liquid manure. Twenty-two pounds of Floranid contains as much nitrogen as a ton of manure. **1 lb. 25 cts., postpaid 35 cts.; 5 lbs. 90 cts., postpaid $1.05; 10 lbs. $1.50, postpaid $1.70; 25 lbs. $2.75, 50 lbs. $4.75.**

F. & I. TOBACCO BASE FERTILIZER. "The Wonder Worker of the florist trade." **100 lbs. $3.00, 500 lbs. $13.00, 1000 lbs. $24.75, 2000 lbs. $47.50.**

HORN SHAVINGS. Rich in ammonia and valuable for use in mixing in potting soil especially for chrysanthemums. **1 lb. 15 cts., 25 lbs. $2.00, 100 lbs. $7.00.**

HUMUS. Valuable for incorporating into poor soils to improve the texture and increase the moisture holding properties. Does not contain a high percentage of plant food. For best results, cover the ground 1 to 2 inches with Humus and spade in.

25 lbs.	$ .75	500 lbs.	$ 8.50
50 lbs.	1.25	1000 lbs.	16.00
100 lbs.	2.50	2000 lbs.	30.00

LIME, HYDRATED. For lawns or field use, very finely pulverized.

10 lbs.	$ .30	500 lbs.	$ 5.25
50 lbs.	.75	1000 lbs.	9.00
100 lbs.	1.25	2000 lbs.	17.00

MILORGANITE. Has a high nitrogen content which makes it valuable for lawn purposes; produces sturdy growth of rich, green grass.

100 lbs.	$ 3.00	1000 lbs.	$23.00
500 lbs.	12.00	2000 lbs.	45.00

MURIATE OF POTASH. 48% K_2O.

1 lb.	$ .15	100 lbs.	$ 4.25
10 lbs.	1.00	1000 lbs.	35.00

NITRATE OF SODA. 15 per cent nitrogen. Supplies nitrogen to soil, should be applied with a filler or as a liquid, use 200 lbs. to 500 lbs. per acre.

1 lb.	$ .15	100 lbs.	$ 3.75
5 lbs.	.50	500 lbs.	14.75
10 lbs.	.85	1000 lbs.	28.00
25 lbs.	1.25	2000 lbs.	55.00

NITROPHOSKA 15-30-15. 15 per cent nitrogen; 30 per cent available phosphoric acid; 15 per cent potash. A wonderful fertilizer for lawns, shrubbery, flowers and vegetables. "A little goes a long way." A 10-lb. package is enough for 1000 square feet. **1 lb. 25 cts., postpaid 35 cts.; 5 lbs. 90 cts., postpaid $1.05; 10 lbs. $1.50, postpaid $1.70; 25 lbs. $2.75, 50 lbs. $4.75.**

POULTRY MANURE. A rich natural fertilizer containing a good percentage of nitrogen and phosphates.

25 lbs.	$1.00	100 lbs.	$ 3.50
50 lbs.	1.75	1000 lbs.	23.00

SHEEP MANURE.

5 lbs.	$ .30	100 lbs.	$ 3.00
10 lbs.	.50	500 lbs.	12.00
25 lbs.	1.00	1000 lbs.	23.00
50 lbs.	1.75	2000 lbs.	44.00

SHREDDED CATTLE MANURE.

100 lbs.	$ 3.00	1000 lbs.	$23.00
500 lbs.	12.00	2000 lbs.	44.00

SOOT, IMPORTED SCOTCH. Will produce color in greenhouse plants, also very effective against grubs and worms. **1 lb. 20 cts., 10 lbs. $1.50, 100 lbs. $8.00.**

STIM-U-PLANT. A concentrated and quickly available plant food in tablet form. **Pkg. of 30 tablets 25 cts., 100 tablets 75 cts., 1000 tablets $3.50.**

SULPHATE OF AMMONIA.

1 lb.	$ .15	25 lbs.	$1.75
10 lbs.	.75	100 lbs.	4.00

SUPERPHOSPHATE—16 per cent. For grains, grasses and corn. (In 125-lb. bags.)

125 lbs.	$3.00	1000 lbs.	$15.50
500 lbs.	8.50	2000 lbs.	30.00

RED STEER FERTILIZERS

SWIFT'S RED STEER—5-10-5. For truckers. (In 125-lb. bags.)

125 lbs.	$ 3.50	1000 lbs.	$20.50
500 lbs.	11.00	2000 lbs.	40.00

SWIFT'S RED STEER—2-8-5. For corn. (In 125-lb. bags.)

125 lbs.	$3.25	1000 lbs.	$17.50
500 lbs.	9.50	2000 lbs.	34.00

SWIFT'S RED STEER—4-8-7. For potatoes. (In 125-lb. bags.)

125 lbs.	$ 3.50	1000 lbs.	$20.50
500 lbs.	11.00	2000 lbs.	40.00

SWIFT'S RED STEER—4-12-4. For truckers. (In 125-lb. bags.)

125 lbs.	$ 3.50	1000 lbs.	$20.50
500 lbs.	11.00	2000 lbs.	40.00

FOR QUANTITIES OF FERTILIZERS OVER 1 TON, WRITE FOR OUR SPECIAL PRICES

LEAF-MOLD, MOSS, PEAT, ETC.

CHARCOAL. Sweetens and lightens sour and heavy soils; used also for mixing with potting soil. Three sizes, fine, medium and lump. **Lb. 15 cts., 5 lbs. 50 cts., 50 lbs. $3.50, 100 lbs. $6.00.**

LEAF MOLD. The finest grade of sifted Leaf Mold for potting and mixing with garden soil. **Peck 50 cts., 2 bu. sack $2.50.**

MOSS, SHEET, NATURAL GREEN. For decorating in the conservatory and use for hanging baskets. **1 square yard 40 cts., large sack $2.00.**

MOSS, SPHAGNUM, DRY. Large size bale **$2.50.**

MOSS, SPHAGNUM, LIVE. For Orchid use. **Market price.**

PEAT, FIBROUS. For Orchid growing. **2 bu. sack $3.50.**

PEAT MOSS. See illustration.

NOD-O-GEN SEED INOCULANT FOR ALL LEGUME CROPS

For small seeds, such as Clovers: Alfalfa, Alsike, Medium Red, Mammoth, White Sweet, etc. **½ bu. size 50 cts., 1 bu. size 90 cts., 2½ bu. size $2.00.**

For large seeds, such as Garden and Field Beans, Garden and Field Peas, Vetch, etc. **1 bu. size 35 cts., 2 bu. size 65 cts., 5 bu. size $1.50.**

Special garden size for Beans, Peas and Sweet Peas, **25 cts.**

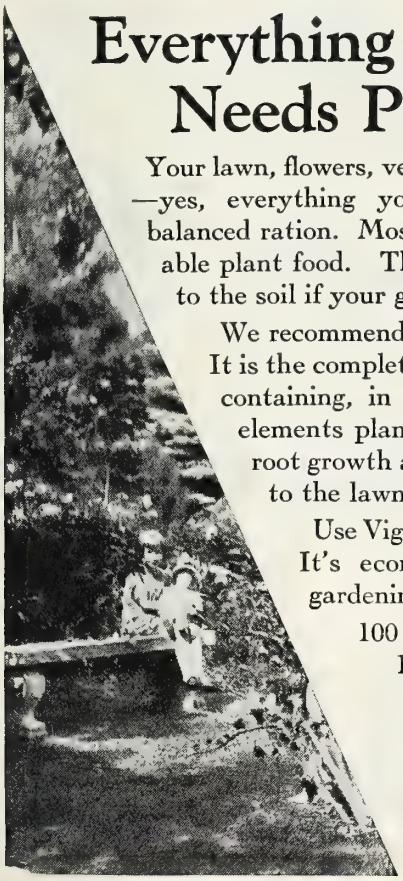
Always Specify the Kind of Legume Crop You Wish to Inoculate

PEAT MOSS

19½ bu. bale

Mulch your rhododendrons, kalmias, ferns and roses with Peat Moss. An ideal mulch for your shrubs and lawn. Used in proper proportions will bring your soil to the highest state of physical condition. It helps to bind together and give more body to loose sandy soil; it will break up and render more friable heavy clay soil; it makes all soil easy to work, highly retentive of moisture so that it will hold the plant food which has been dissolved in the soil moisture; assists in preventing baking and caking of heavy soils: develop necessary soil bacteria and in general, condition your soil so that it is sure to produce better crops or flowers. Largest size bales, highest grade peat on the market.

Delivered in City: 1 Bale $3.00, 5 Bales $14.00.



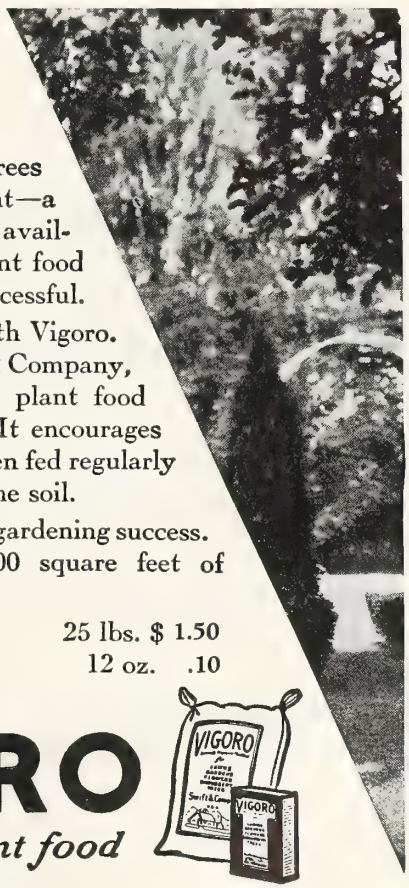
Everything You Grow Needs Plant Food!

Your lawn, flowers, vegetable garden, shrubs, and trees —yes, everything you plant—needs nourishment—a balanced ration. Most soils have been depleted of available plant food. That is why you must add plant food to the soil if your gardening efforts are to be successful.

We recommend that you feed everything with Vigoro. It is the complete plant food made by Swift & Company, containing, in a balanced form, all of the plant food elements plants must get from the soil. It encourages root growth as well as top growth, and when fed regularly to the lawn it helps produce humus in the soil.

Use Vigoro this year and achieve real gardening success. It's economical—4 pounds feeds 100 square feet of gardening area.

100 lbs. $ 4.00	50 lbs. $ 2.50	25 lbs. $ 1.50
10 lbs. .85	5 lbs. .50	12 oz. .10



VIGORO

Complete plant food

Miscellaneous Tools

ASPARAGUS KNIVES ..... $ .45

Wood Handle

Iron Dibble

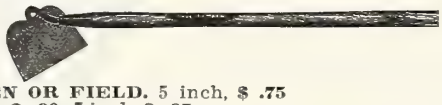
DIBBLE, ALL IRON ..... $ .65
BRASS POINT ..... .70
WOOD HANDLE No. 219 ..... .60

DOCK AND THISTLE CUTTER $1.25

FORKS—ENGLISH DIGGING $2.50

MANURE. Four prongs $1.25
SPADING. Extra heavy 1.75
SPADING. Good grade 1.25
SPADING. Boys' size ..... .90
GARDEN SET—FOUR TOOLS 2.50
GRASS EDGING KNIVES
ENGLISH. Curved top 2.25

AMERICAN. Straight top $1.00
PLANET JR. 1.75
HANDLES—SPADE IRON D ..... .75
HAY FORK. Bored and chucked ..... .50
HAY FORK. Short ferrule ..... .65
HAY FORK. Strap ferrule ..... .75
MANURE FORK. Long ..... .50
RAKE ..... .35
HOES—DUTCH SCUFFLE
5 inch, **$1.00**; 6 inch, **$1.10**
8 inch, **1.25**



GARDEN OR FIELD. 5 inch, **$ .75**
6 inch, **$ .90**; 7 inch, **$ .95**
8 inch, **$1.00**

GRUB. 4½ inch blade ..... $ .90

HOES—
MATTOCK—DIG EASY $1.00
MATTOCK—CUTTER BLADE 1.50
MATTOCK—SOLID EYE 1.25

ITALIAN GRAPE $1.75
WARREN. Short handle ..... .65
WARREN. Long handle 1.25
WEEDING. One prong ..... .60

WEEDING. Two prongs ..... .65
HOOKS, POTATO. Flat tines 1.15

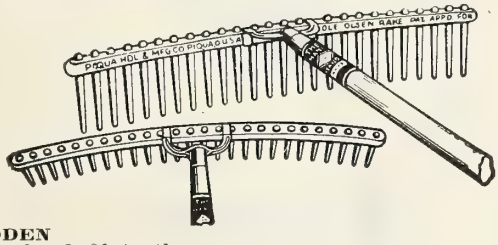
POTATO. Round tines $1.15
VINE ..... .50
WEEDER and HOOK ..... .60
KNIVES, BUDDING. Square point blade ..... .85
BUDDING. Two blades 1.25
BUDDING, ENGLISH. Ivory handle 4.00
PRUNING and BUDDING 1.50
PRUNING SAWS. Single edge, 16 inch 1.30
18 inch, **$1.40**; 20 inch 1.50
SPECIAL TOOTH. 22 inch 1.60
DOUBLE EDGE. 20 inch 1.50

TRIANGULAR. 16 inch, **$1.40**; 18 inch, **$1.50**; 20 inch .. $1.60
CURVED, HAND 1.50
CURVED, POLE. Blade only 1.25
Socket only ..... .65

RAKES, METAL
GARDEN, STRAIGHT HEAD. 6 tooth ..... $ .50
12 tooth, **$1.00**; 14 tooth 1.10
16 tooth 1.20
GARDEN, BOW HEAD
14 tooth, **$1.20**; 16 tooth 1.40
BROOM STYLE, METAL
16 tooth, **$ .80**; 24 tooth 1.00
DANDELION, GEM. 31 tooth 1.25
WIRE, LAWN
12 tooth—21 inches wide ..... .75
18 tooth—32 inches wide ..... .90
21 tooth—36 inches wide 1.00

Miscellaneous Tools

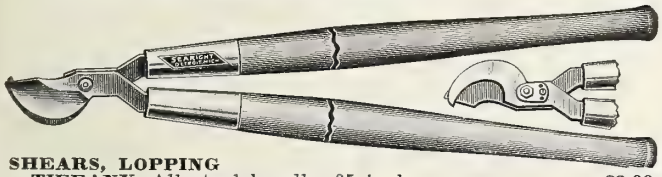
RAKES, BAMBOO
21 tooth—12 inches wide.....$ .40
26 tooth—23 inches wide..... 1.00
34 tooth—30 inches wide..... 1.25



WOODEN
Bow head, 20 tooth.....$ .65
Hay, 10 tooth..... .50
Automatic, 26 tooth..... 1.75
Automatic, 38 tooth..... 2.25
SCYTHES, BUSH. 18 to 22 inches..... 1.60
WEED, Assorted, 24 to 28 inches..... 1.60
GRASS, AMERICAN. 30 to 32 inches..... 1.75
GRASS, ENGLISH. 30 to 34 inches..... 2.50
GERMAN, BLUE STEEL. 30 inches..... 1.75
SCYTHE HANDLES. Curved style..... 1.50
Straight handle style 1.25

SCYTHE STONES, Aloxite, 10 inches.....$ .30
CARBORUNDUM FILE 1.00
WELSH TALACRE ..... .35
SHEARS, BORDER
AMERICAN. 9 inch 4.00
ENGLISH. 10 inch, no wheel..... 5.00
SHEARS, GRASS OR SHEEP
AMERICAN. No. 357—5½ inch..... .75
No. 357—7 inch..... 1.25
ENGLISH. No. 3075—5½ inch..... 1.75
No. 3075—7 inch..... 2.00
VILLAGE BLACKSMITH. V-1—5½ inch ..... .50
V-52—5½ inch ..... .75
SHEARS, GRASS OR SHEEP
GRASNIP. 6 inch..... .85
8 inch 1.25
SHEARS, HEDGE
VILLAGE BLACKSMITH, PLAIN EDGE
8 inch, **$1.75;** 9 inch..... 2.00
VILLAGE BLACKSMITH, SERRATED EDGE
8 inch, **$2.00;** 9 inch..... 2.25

ENGLISH, 8 inch .....$ 3.00
9 inch, **$3.25;** 10 inch..... 3.50
ELECTRIC. Equipped with ⅛ H.P. Motor, 100 feet rubber covered cord; six times as rapid as cutting by hand. See illustration, page 75..... 20.00



SHEARS, LOPPING
TIFFANY. All steel handle, 25 inch.....$3.00
BARTLETT. 26 inch handle..... 2.00
ENGLISH. 3 inch cut..... 5.00

SHEARS, PRUNING
ATKINS. No. 100—8 inch.....$1.25
FIELDS. No. 1537—9 inch..... .75
WISS. No. 409 V..... 2.00
DISSTON, DOUBLE CUT. Leaf spring..... 2.50
VILLAGE BLACKSMITH. Leaf spring..... 2.25

FRENCH, WHEEL SPRING. 8 inch.....$2.00
9 inch, **$2.50;** 10 inch..... 2.75
LADIES'. 6 inch, nickel finish..... 1.50
7 inch, plain finish..... 1.25

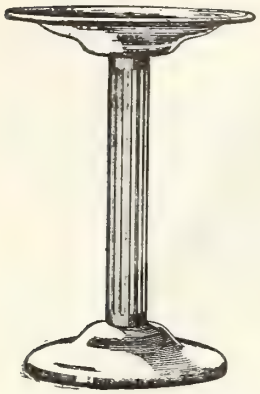
SCISSORS, FLOWER. Nickel finish.....$1.50
SHOVELS, D HANDLE. Heavy weight..... 2.00
Lightweight 1.40
LONG HANDLE. Heavy weight..... 1.75
Lightweight 1.25
BOY'S FLORAL ..... .75
SICKLES OR GRASS HOOKS
VILLAGE BLACKSMITH. Plain edge..... .60
Serrated edge ..... .55
ENGLISH. Riveted back..... .90
GERMAN ..... .50
GRASWHIP. Long handle 1.00
SIEVES. Sizes of ⅛, ⅙, ¼, ½, and ¾ inch mesh..... 1.50
SOD LIFTER. American, **$2.50;** English.....$8.50
SOD PERFORATOR 3.00
SPADES. Best quality, polished..... 1.50
BURBANK. Curved point 2.00

BOYS' SIZE. Strongly made.....$ .75
TREE PRUNERS, JOINTED STYLE
8 foot, **$5.50;** 12 foot.....$6.00
16 foot, **$6.75**
BASTIAN. 14 foot, **$2.50;** 16 foot.....$3.00
BASTIAN FRUIT PRUNER. 5½ foot..... 1.50
8 foot, **$1.75;** 10 foot..... 2.00
TREE SCRAPER. Short handle..... .75
TROWELS, TRANSPLANTING. 7 inch..... .30
8 inch ..... .35
VILLAGE BLACKSMITH ..... .35
SHEET STEEL. No. 212, 6 inch..... .35

FORGED STEEL. No. 211, 6 inch.....$ .70
DROP SOCKET ..... .80
MIDGET SPADER ..... .60
WEEDERS
AUTOMATIC, BLUE BIRD. Long handle.....$1.25
Sure Grip. Long handle..... 1.00
EUREKA. Short handle..... .45
2 foot handle, **$ .50;** 4 ft. handle..... .75
EXCELSIOR. 5 prongs..... .15

HAZELTINE. High grade steel.....$ .40
INVINCIBLE. 3 prong, short handle..... .50
3 prong, long handle..... .75
5 prong, long handle..... 1.00
ONION. Short handle ..... .50
V.B. 4 prong, **$ .30;** 5 prong..... .45

Miscellaneous Supplies



Top—17-inch diameter, 3 inches deep, heavy copper-bearing galvanized steel, painted natural cement color.

Bottom—14-inch diameter, 2½ inches high, heavy copper-bearing galvanized steel, painted natural cement color.

Column—20 inches high, 3-inch diameter, water lead ¼ inch, heavy iron pipe with fittings, height overall, 25½ inches; packed one in strong fibre carton. Shipping weight 12 lbs., postage extra, zone rate. Complete, with fountain $4.00, with sprayer $5.00.

BIRD BATHS with fountain ..... $ 4.00
With sprayer 5.00
BROOMS, BIRCH, with handle ..... .75
Without handle ..... .50
BURLAP, for shading and protection
36 inch width, per yard ..... .13
48 inch width, per yard ..... .15
72 inch width, per yard ..... .20
CELERY BLEACHERS
6x12 size, per doz. **50 cts.;** per 100 ..... 3.50
7x14 size, per doz. **65 cts.;** per 100 ..... 4.50
CEL-O-GLASS, 36 inches wide, 5 lineal feet 2.40
25 lineal feet **$10.65;** 100 lineal feet 40.50
FLEX-O-GLASS or **GLASS CLOTH,** per yard ..... .30
10 yards **$2.50;** 100 yards 25.00
FRUIT PICKERS, heavy galvanized wire ..... .50
GARDEN LINE, per hank of 48 feet ..... .50
Per dozen hanks 5.00
GARDEN LINE REELS with stake
Small size **$1.25;** large size 2.00

National Eezy Wear Garden Gloves

GLOVES, EEZY WEAR GARDEN
Per pair ..... $ .65

ENGLISH PRUNING 3.50
HORSEHIDE, short cuff **$1.25;** long cuff 2.00
SUEDE 2.50

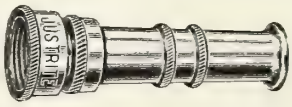
HOSE, RUBBER (including couplings)
½-in.—50 ft. long with couplings (Tonka) Dbl. Braid 5.50
½-in.—50 ft. long with couplings (Relief) Dbl. Braid 5.00
¾-in.—50 ft. long with couplings (Tonka) Dbl. Braid 6.50
¾-in.—50 ft. long with couplings (Relief) Dbl. Braid 5.50
⅜-in. Spray, 5 ply Target Brand, per ft ..... .15
⅝-in. Spray, 5 ply Relief Brand, per ft ..... .25

HOSE COUPLINGS, PERFECT CLINCHING
½ and ¾ inch, per set ..... .25
SNAP-ON STYLE, per set ..... .25

HOSE MENDERS, PERFECT CLINCHING

½ and ¾ inch, each **10 cts.;** doz ..... $ 1.00
COOPER, ½ inch, each **10 cts.;** doz 1.00

HOSE NOZZLES
PET ..... .65

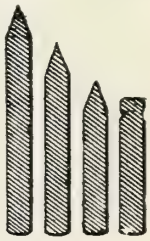


JUSTRITE ..... .75
GREENHOUSE, 3 inch heavy face ..... .90
GREENHOUSE, light, oval face ..... .50
GREENHOUSE, brass, 4½ inch discs 2.75
HOT BED MATS, 40x78 inches 2.00
78x80 inches 4.00

HOTBED SASH, 3x6 feet, 4 rows
Unpainted and unglazed, each **$3.50;** doz 40.00
Painted and glazed, each **$6.00;** doz 70.00
3x7 feet, 4 rows. Same price as above.

LABELS, WOODEN PAINTED

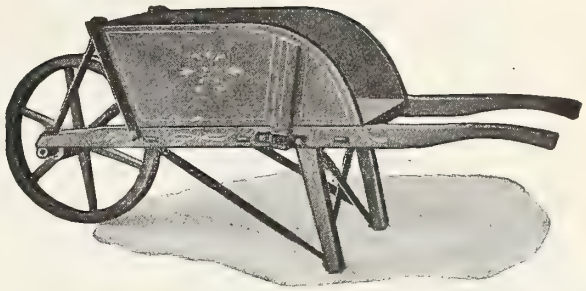
		100	1000
POT—	4 inch	$ .40	$ 2.75
	5 inch	.50	3.25
	6 inch	.55	3.50
GARDEN—	8 inch	1.15	8.50
	10 inch	1.35	10.00
	12 inch	1.75	13.25
TREE—3½ in, copper wire		.50	3.25



LABELS, CELLULOID SIMPLEX WEATHERPROOF
Furnished with copper wires
3x½ inch, per doz. **50 cts.;** per 100 ..... 3.00
4x¾ inch, per doz. **75 cts.;** per 100 ..... 5.00
5x1 inch, per doz. **$1.00;** per 100 ..... 7.00
LABELS, BESTYETTE. Superior to any garden label on the market, doz. **75 cts.;** per 100 ..... 5.00
LAWN SIGNS, "PLEASE," each **10 cts.;** per doz 1.00
LAWN BIRDS ON STAKES, each **15 cts.;** per doz 1.60
LEAF RACK WIRE for WHEELBARROW 8.00
MULCHING PAPER, FARMTEX
PLAIN GRADE in 300-yard rolls
18 inches wide, per roll 3.00
36 inches wide, per roll 6.00
REINFORCED GRADE in 150-yard rolls
12 inches wide, per roll 2.50
18 inches wide, per roll 3.00
36 inches wide, per roll 6.00
MOLE TRAPS, small **$1.00;** large 1.25
PAPER, WAXED. See under Florist Supplies
RAFFIA, NATURAL, lb. **40 cts.;** 5 lb 1.85
GREEN, lb. **$1.25;** 5 lb 6.00

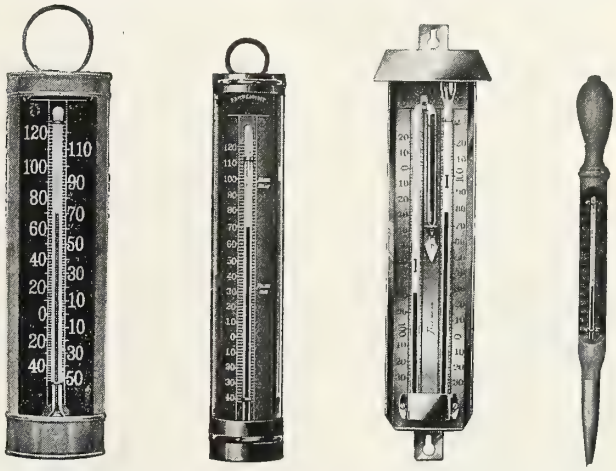
Miscellaneous Supplies

THERMOMETERS. See under Florist Supplies
TWINE. See under Florist Supplies
WATERING-CANS, heavy galvanized
WOTHERSPOON, 4 qt. **$4.25;** 6 qt. ..... **$ 4.50**
8 qt. **$4.75;** 10 qt. **$5.25;** 12 qt. **5.50**
4 qt. low style **4.00**
HAW'S ENGLISH, 3 qt. **$5.75;** 4 qt. **6.25**
6 qt. **$6.75;** 8 qt. **$7.75;** 10 qt. **8.75**
LIGHTWEIGHT, 4 qt. **65 cts.;** 6 qt. ..... **.75**
8 qt. **85 cts.;** 10 qt. **$1.00;** 12 qt. **1.15**
16 qt. wide spray **1.50**
FANCY STYLE, 1 qt. **$1.00;** 2 qt. **1.25**
WHEELBARROWS, GARDEN
No. 1, 30x24 inches **8.75**
No. 2, 28x20 inches **7.75**
No. 3, 26x19 inches **7.50**
All steel wheels, 2¾ inch tires

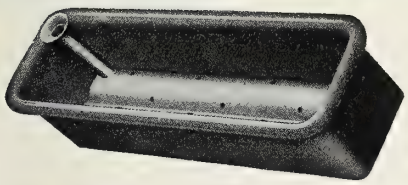


Florist and Greenhouse Supplies

APRONS, RUBBER. Best quality ..... **$ 2.00**
SERGE, ENGLISH **5.00**
BAGS, PAPER. For forcing grapes, per 100 ..... **.50**
BROOMS. Best grade of reed **1.35**
BULL DOG CLIPS. For fastening paper, per 1000 ..... **.75**
BULL DOG STAPLES, per 1000 ..... **1.25**
FLORIST WIRE, No. 23 gauge, 18 inches long, 12-lb. boxes, per box **1.75**
GLASS CLEANER, DAYLIGHT, per gal. **2.25**
SKYBRITE, per gal. **3.25**
GLASS CUTTER. Changeable points ..... **.25**
FUMIGATOR LAMPS. Glass, small size ..... **.35**
FUMIGATOR STOVES **2.00**
GLAZING COMPOUND, GARLANITE
1 gal. **$2.00;** 5 gal. **$9.00;** 15-gal. drum **25.00**
GLAZING COMPOUND, MASTICA
1 gal. **$2.25;** 5 gal. **11.00**
Machine for applying Mastica **2.75**
GLAZING POINTS, PEERLESS. Nos. 1, 2, 2½
Per 1000—**75 cts.;** 5000 ..... **3.50**
SIEBERT'S. Zinc style, ⅝, ¾ and ⅞ inch
Per lb. **50 cts.;** 5 lb. **2.25**
GREENHOUSE SHADING
GREEN (liquid), gal. can **3.00**
WHITE (powder), 5-lb. bag **1.00**
PAPER, GREEN WAX, per ream **3.25**
WHITE WAX, per ream **2.50**
PLANT TIES, per 1000 ..... **2.50**
PUTTY BULBS. For applying putty **1.35**
THERMOMETERS
No. 5400 — 8 inch, black case **1.50**
No. 5400 —10 inch, black case **1.65**
No. 5400P—10 inch, copper case **2.00**
No. 5430S—10 inch, copper case **1.25**
No. 5154S— 8 inch, copper case ..... **.85**
No. 5452 —self-registering, brass **6.50**
No. 5452 —self-registering, black **5.50**
No. 5981 —16 inch, for hotbeds ..... **$ 2.75**
Thermostat, automatic alarm **10.00**



TIN FOIL, per lb. **25 cts.;** 5 lb. **1.15**
TWINE, BEST YET, per lb. box **1.00**
BINDER, per ball **75 cts.;** 10 balls **6.50**
BRAID. Small tube **$1.75;** large tube **2.25**
JUTE, 3 PLY. For tying plants, ½-lb. ball ..... **.25**
SEA ISLAND, GREEN, per lb. **1.25**
SILKALINE. F.F. grade, per lb. box **2.50**
WHITE COTTON. For vegetable buncher, lb. ..... **.60**
10 lb. **5.50**



PERFECTO FLOWER BOXES

These boxes are made of long-life metal, built so as to permit both air and water to reach beneath the roots. Water can be applied at either end of the box and will rise through the earth to the roots of the plants.

PRICE OF BOXES

20 inches long x 6 inches wide x 7 inches deep ..... **$ 1.00**
26 inches long x 6 inches wide x 7 inches deep **1.25**
32 inches long x 6 inches wide x 7 inches deep **1.50**
38 inches long x 6 inches wide x 7 inches deep **2.00**

Imperial Electric Hedge Cutter and Trimmer

IMPERIAL ELECTRIC HEDGE CUTTER AND TRIMMER

The Imperial will accomplish as much in one hour as would ordinarily require from five to six hours.

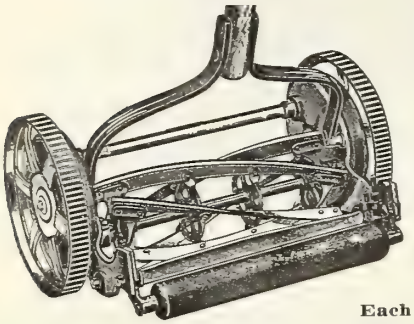
The trimmer is 38 inches long, weighs 8½ lbs.; the chrome carbon steel blades are 12 inches wide and the ⅛ H. P. motor works on either A.C. or D.C. 110 to 120 volts. It consumes only as much current as a 60-watt lamp. The 100-foot cord is covered with flexible rubber.

Price **$20.00**

(The swiftest operating and most practical Hedge Trimmer on the market.)

Lawn Mowers—Rollers and Sprinklers

Philadelphia High-Wheel LAWN MOWERS



	Each
15-inch, Style A, high wheel	$20.00
17-inch, Style A, high wheel	22.00
19-inch, Style A, high wheel	25.00
21-inch, Style A, high wheel	28.00
6-inch—Trimmer and Edger	8.50

GRASS CATCHERS FOR PHILADELPHIA MOWERS

15-inch	$1.50	17-inch	$1.60
19-inch	1.75	21-inch	2.00

ECLIPSE LAWN MOWERS

The Eclipse Mower is never dull, due to the self-sharpening feature with which it is equipped. It is the only lawn mower designed that can be sharpened without the aid of tools. Another valuable feature is the instant finger tip adjustment of the bottom knife blade, thereby eliminating the drudgery of tinkering with the four set screws, used on other machines.

ECLIPSE MODEL L—Self Sharpening

14-in. cut, 5 blades, 10-in. wh'ls	$15.00
16-in. cut, 5 blades, 10-in. wh'ls	15.75
18-in. cut, 5 blades, 10-in. wh'ls	18.25

ECLIPSE MODEL A—Self Sharpening

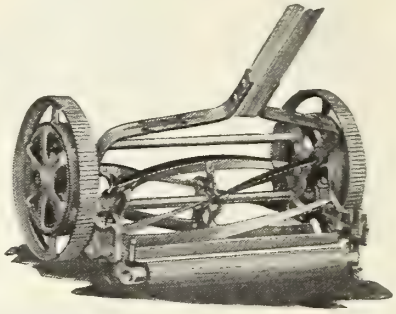
14-in. cut, 5 blades, 10-in. wh'ls	$21.75
16-in. cut, 5 blades, 10-in. wh'ls	22.50
18-in. cut, 5 blades, 10-in. wh'ls	24.00

ECLIPSE POWER MOWER

MODEL 20

The same high quality and special features of the Eclipse hand mowers are embodied in this reliable power mower. **20-inch cut—¾ H.P.—Net Wt. 165 lbs. $137.50 f.o.b. factory.**

Pennsylvania Golf LAWN MOWER



19-inch	$37.50
Penna. Golf Grass Catchers, 17-in.	$7.50
Penna. Golf Grass Catchers, 19-in.	7.50

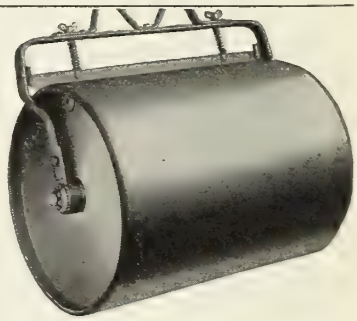
PITTSBURGH LAWN MOWER

14-inch	$6.50	16-inch	$7.00

MAGIC LAWN MOWER

14-inch	$4.75	16-inch	$5.00

WATER-WEIGHT LAWN ROLLERS

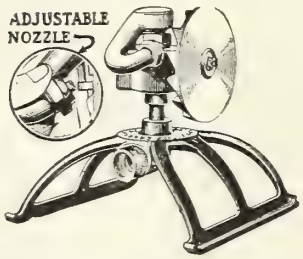


These Rollers have strong, one-piece, hollow steel drums into which water or sand can be poured until the Roller is just the right weight for any job. By varying the amount of water, the same Roller may be used on soft lawns or on the tennis-court or drives, and, when not in use and empty, it is light enough to be easily handled and stowed away in the basement or garage.

No. 607. Diam. 14 in., length 15 in., weight empty 50 lbs., filled with water 115 lbs.	$ 9.00
No. 601. Diam. 14 in., length 24 in., weight empty 60 lbs., filled with water 250 lbs.	11.00
No. 602. Diam. 18 in., length 24 in., weight empty 75 lbs., filled with water 330 lbs.	15.00
No. 603. Diam. 24 in., length 24 in., weight empty 100 lbs., filled with water 440 lbs.	17.00

LAWN SPRINKLERS

DOUBLE ROTARY



DOUBLE ROTARY. Constructed of best material, covers a wide area. Water pressure causes the revolving wheel to distribute the water like rain. **Model H $12.50—Model Jr. $7.50.**

BUSY. Under 35 lb. pressure at the hydrant, the Busy will cover a circle 30 feet in diameter.....$ .75

CHEAP-BUT-GOOD. A very efficient and low priced fountain-like sprinkler .....$ .35

RAIN KING. Adjustable as a stationary or as a revolving spray. Will cover a circle of from 8 to 80 feet....$3.00

PELICAN SPRINKLERS

The Pelican Sprinklers are a perfect form of overhead irrigation for large lawns and greens; the desired area to be watered is maintained by a quick adjustment of the sprinkler heads.

TYPE C SPECIAL. Stands 34 inches high with 28 inch arms. Capacity 450 gallons per hour under 40 pounds pressure $13.50

TYPE C SPECIAL. LONG RANGE. A high pressure style that will distribute 1250 gal. per hour. Equipped with one inch hose connections.$17.50

PELICAN LAWN SPRINKLER

IMPROVED RING SPRINKLER

BRASS RING SPRINKLER. Made entirely of sheet brass. Throws a fine mist-like spray over a large circle $ .75

WATERFAN. An automatic oscillating lawn and garden sprinkler equipped with motor that is operated by the water pressure. The 17 small nozzles that are set in fan shape cover a wide rectangular area $17.50

TURBINE. A general utility sprinkler and a nozzle holder all in one. Can also be used on a steep terrace or as a side-walk sprinkler $1.25

VILLAGE BLACKSMITH. Revolves rapidly on high or low pressure. Stands 4 inches high; 7 inch revolving head $1.25

FLOWER POTS—HANGING BASKETS—PLANT TUBS

FLOWER POTS—CLAY

Standard Flower Pots, Inside Diameter

Flower Pots	Each	Doz.	100
2½-inch standard pots	$ .03	$ .25	$ 1.65
3-inch standard pots	.03	.30	2.10
4-inch standard pots	.05	.50	3.50
5-inch standard pots	.10	.85	6.00
6-inch standard pots	.15	1.25	8.50
7-inch standard pots	.20	2.00	14.00
8-inch standard pots	.30	2.85	20.00
9-inch standard pots	.45	4.50	30.00
10-inch standard pots	.60	5.75	40.00
11-inch standard pots	.80	8.00	....
12-inch standard pots	1.00	10.00	....

Bulb or Azalea Pots—Sizes 4-inch to 12-inch. Prices Same as Above

Flower Pot Saucers	Each	Doz.	100
For 4-inch pots	$ .04	$ .40	$ 2.50
For 5-inch pots	.05	.50	3.35
For 6-inch pots	.07	.65	4.60
For 7-inch pots	.09	.90	6.25
For 8-inch pots	.13	1.25	8.50
For 9-inch pots	.17	1.65	11.50
For 10-inch pots	.20	2.25	....
For 11-inch pots	.25	2.50	....
For 12-inch pots	.30	3.00	....

Low Pans for Ferns and Seedlings	Each	Doz.	100
2½-inch	$ .03	$ .25	$ 1.65
3-inch	.03	.30	2.10
4-inch	.05	.50	3.50
5-inch	.10	.85	6.00
6-inch	.15	1.25	8.50
7-inch	.20	2.00	14.00
8-inch	.30	2.85	20.00
9-inch	.45	4.50	30.00
10-inch	.60	5.75	40.00
11-inch	.80	8.00	....
12-inch	1.00	10.00	....

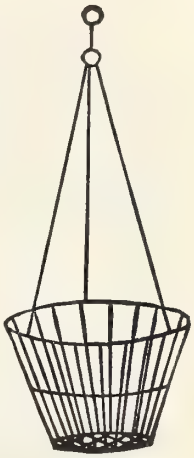
Fern-Dish Linings	Each	Doz.
4 inches x 2½ inches	$ .10	$1.00
5 inches x 2½ inches	.13	1.25
6 inches x 2⅝ inches	.15	1.50
7 inches x 2⅞ inches	.18	1.75
8 inches x 2⅞ inches	.23	2.25

Orchid Pots	Each	Doz.
5-inch	$ .35	$ 3.25
6-inch	.40	4.00
7-inch	.50	5.00
8-inch	.60	6.00
9-inch	.80	8.00
10-inch	1.20	12.00

Round Seed Pans	Each	Doz.
9-inch	$ .50	$ 5.00
12-inch	1.00	10.00

HANGING BASKETS

	Each	Doz.
8-inch	$ .35	$3.25
10-inch	.40	4.00
12-inch	.45	4.50
14-inch	.50	5.00
16-inch	.60	6.00
18-inch	.80	8.00



PAPER FLOWER POTS

NEPONSET

Very economical; waterproof; can be nested closely for shipping.

	Doz.	100	1000
2½-inch	$ .15	$ .75	$ 6.00
3-inch	.20	.90	7.00
4-inch	.25	1.40	11.00
5-inch	.35	2.25	18.00
6-inch	.40	2.50	22.50

EVER READY FLOWER POT COVERS

Specify whether for Standard or Azalea Pots

	Each	Doz.
For 5-inch pots	$ .20	$2.00
For 6-inch pots	.25	2.50
For 7-inch pots	.30	2.75
For 8-inch pots	.35	3.25

VIRGINIA CEDAR PLANT TUBS

Painted green with galvanized electric welded wire hoops and handles. If wanted with handles, add 20 cents to price of each tub.

No.	Diam. Inside Top	Diam. Inside Bottom	Depth Inside	Each
2	7-in.	5-in.	7-in.	$ .60
3	8-in.	6-in.	8-in.	.65
4	9-in.	7-in.	9-in.	.70
5	10-in.	7½-in.	9-in.	.80
6	11-in.	8½-in.	10-in.	1.10
7	12-in.	9-in.	11-in.	1.30
8	13-in.	10-in.	12-in.	1.60
9	14-in.	11-in.	13-in.	1.80
10	15-in.	11½-in.	14-in.	2.00
11	16-in.	12½-in.	15-in.	2.25
12	17-in.	13½-in.	16-in.	2.60
13	18-in.	14½-in.	17-in.	3.25
14	19-in.	15½-in.	18-in.	3.75

PLANT SUPPORTS—STAKES

BAMBOO CANE. Natural Color

	100	1000
5 to 6-foot	$1.50	$12.00
6 to 9-foot	2.50	20.00
9 to 12-foot	3.50	30.00

BAMBOO CANE. Japanese, Dyed Green

	Doz.	100	1000
1½-foot	$ .10	$ .50	$3.00
2 -foot	.15	.55	3.25
2½-foot	.15	.60	4.00
3 -foot	.20	.75	5.00
3½-foot	.20	.80	5.50
4 -foot	.20	1.00	7.00
5 -foot	.25	1.25	9.00
CHINESE TONKENS, 6-foot	1.00	6.00	...

HYACINTH	100	1000
12-inch. Painted Green	$ .40	$2.50
18-inch. Painted Green	.50	3.00
SPLIT BAMBOO, 18-inch	.40	2.50

BEAN POLES. Cypress wood, square unpainted

5-foot	$1.00	$6.00	...
6-foot	1.15	7.00	...

WOODEN ROUND TAPERING. Light Weight

	Doz.	100	1000
1½-foot	$ .30	$ 2.00	...
2 -foot	.50	3.50	...
3 -foot	.85	6.75	...
4 -foot	1.25	10.00	...
5 -foot	1.75	13.50	...

HEAVY WOODEN or DAHLIA

3-foot	$1.50	$10.00	...
4-foot	1.75	12.00	...
5-foot	2.25	17.50	...
6-foot	3.00	22.00	...

GALVANIZED WIRE

2-foot	$ .25	$ 1.25	$ 9.00
3-foot	.35	1.75	13.50
4-foot	.40	2.00	16.50
5-foot	.50	2.50	20.00

SQUARE STAKES WITH RATTAN

3-foot including 3 feet rattan	$1.25	$ 9.00	...
4-foot including 4 feet rattan	1.50	10.00	...
5-foot including 5 feet rattan	1.75	12.00	...

Extra rattan per foot .02 cts.

POULTRY SUPPLIES

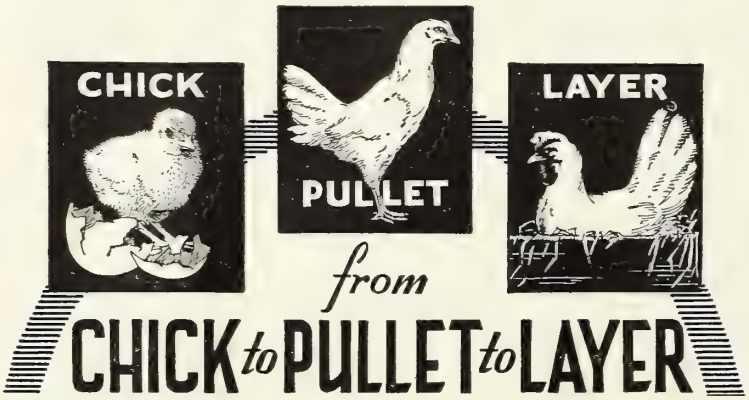
MAKE MONEY . . . . . RAISING POULTRY

Poultry keeping as a side line is a most profitable source of income, and even a small flock if properly cared for, will pay relatively great returns for time and labor expended.

In the dead of winter, the poultry crop, eggs, is at the highest premium. A flock of good, well-cared-for hens will do in the winter the very thing that a good cultivator will do in the summer, namely, "Profitable Scratching."

In our Poultry Department, we offer a complete line of wholesome and nutritious feeds for young and mature stock, and carry the standard and approved up-to-date poultry-house equipment and fixtures. We supply day-old chicks and ducklings, and are in an especially good position to fill early orders of all leading breeds from strains of recognized merit for egg production, meat production or fanciers' type.

A feed-buyer wants feed which consists of only good, sound grain thoroughly recleaned. It must not contain dirt or worthless matter. He wants a mixture which is well-balanced so it will produce the proper results. He wants uniformity—the mixture must run the same at all times. He wants service. You will find these requirements well taken care of at Beckert's Seed Store. We welcome the opportunity to serve you.



BABY CHICKS

You cannot afford not to be particular, in the purchase of Baby Chicks, in knowing that they are from well-bred flocks and will develop true to type. Remember this—a Baby Chick is no better than the foundation stock from which it was hatched. We exercise extreme care in the selection of our Baby Chicks and supply only stock from selected matings and blood-tested flocks, under state supervision. We can supply all popular breeds.

We also make a specialty of White Pekin Ducklings, Bronze Baby Turkeys and Goslings.

We suggest placing your order in advance, specifying the date you want delivery.

Prices gladly sent upon request.

POULTRY FEEDS, REMEDIES and EQUIPMENT

PRICES CHANGEABLE. PLEASE WRITE FOR PRICES.

CHICK STARTING MASH. Recommended to be the best all-mash ration on the market for baby chicks. Feed this feed and water for 6 weeks.

CHICK DEVELOPER MASH. Recommended for growing pullets. Feed scratch grain with this very sparingly. The digestibility and palatability of this feed prepare pullets for a heavy laying season.

EGG MASH. If you prefer the scratch and mash feeding schedule, this mash is recommended.

THE ABOVE 3 FEEDS CONTAIN BUTTERMILK AND COD LIVER OIL

POULTRY REMEDIES, ETC.

LIPPENCOTT'S ONE NIGHT ROUP REMEDY. Has no equal for Roup, Gapes, Canker, Chickenpox, Cholera, etc. Has never failed when used properly. **25 cts., 50 cts., $1.00 sizes.**

DR. SALSBURY'S COMPLETE LINE OF REMEDIES.

BURRELL-DUGGER COMPLETE LINE OF REMEDIES.

BARKER'S MINERAL WORM OIL AND DISINFECTANTS.

NU-LIFE REMEDIES, PILLS, TONIC AND GERMICIDE.

CARBOLINEUM. 1 gal. size $1.75.

CARBOLA. 5 lbs. 75 cts., 10 lbs. $1.25, 25 lbs. $2.85, 50 lbs. $5.

LICE AND MITE DISINFECTANT. Qt. 55 cts., ½ gal. 90 cts., gal. $1.50.

LICE AND MITE POWDER. 25 cts. and 35 cts.

COD LIVER OIL. Gal. $1.75.

CANNIBALISM REMEDY. 25 and 75 ct. sizes.

B. G. RABBIT REMEDY. Qt. 50 cts., gal. $1.50.

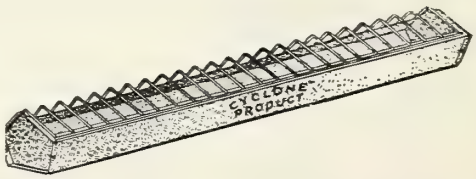
B. K. RABBIT REMEDY. Qt. 75 cts., gal. $2.00.

GERMOZONE FOR CHICKS. 40 cts. and $1.50.

BECKERT'S POULTRY TONIC FOR POOR BIRDS. Box 50 cts., 2 boxes 95 cts.

BECKERT'S POULTRY CAPSULES FOR COLDS AND ROUP. 25 capsules, 25 cts.

POULTRY EQUIPMENT



We carry a complete assortment of the latest Poultry and Rabbit equipment, comprising Brooders, Incubators, Feeders, Waterers, Trap Nests, Feed and Water Crocks, etc. We will be pleased to have you call and look over our stocks.

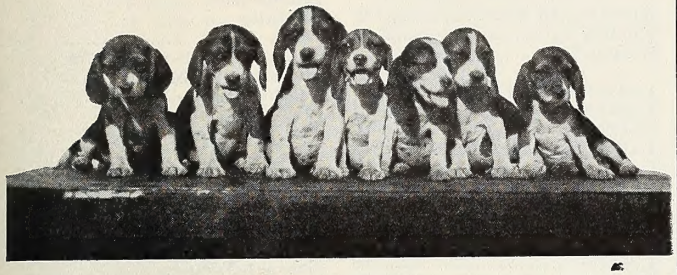
DOG AND BIRD SUPPLIES

DOG FOODS AND SUPPLIES

The best friend a man has is his dog. Treat him right, feed him right and keep him clean. Do this for your dog and he will protect you and give you a lot of pleasure. Keep your dog healthy and peppy by feeding him a complete balanced food that contains the five vitamines—A, B, D, E, G.

We carry a complete line of dog foods, ranging from meat and milk meal to 50 per cent meat biscuits including yeast.

Free advice.



GAINES MEAT AND MILK MEAL

MEAL		CUBES	
1 lb.	$ .10	1 lb.	$ .15
5 lbs.	.45	5 lbs.	.55
10 lbs.	.85	10 lbs.	1.00
25 lbs.	2.00	25 lbs.	2.25
50 lbs.	3.50	50 lbs.	4.00
100 lbs.	6.50	100 lbs.	7.50

CER ME SOY

1 lb.	$ .10
5 lbs.	.25
50 lbs.	2.50
100 lbs.	4.50

PUP-PETS

1 lb.	$ .15
5 lbs.	.60
50 lbs.	4.50
100 lbs.	8.50

DOG FOOD IN CANS

EVR-REDY		THOROBREAD	
1 can	$ .10	1 can	$ .15
3 cans	.25	2 cans	.25
Case (48 cans)	3.60	Case (48 cans)	4.75

SPRATTS DOG FOOD

Ovals		Fibo		Charcoal Ovals	
5-lb. bag	$ .75	5-lb. bag	$ .75	Carton	$ .35

CAT FOOD—Carton $ .35

Keep Your Dog's Bed Free of Fleas—Use
SUPERCEDAR KENNEL BEDDING

5-lb. bag ..... $ .35 50-lb. bag $2.25

DOG MEDICINES

Spratts—Glovers—Seargeants—Champion
ZURRUZ SHAMPOO
Keeps Your Dog Flea-Free and Clean
10-oz. can $ .50

Champion Dog Biscuit

The large whole biscuit for the mature dog.

1 lb.	$ .15
5 lbs.	.65
25 lbs.	3.00
50 lbs.	5.50
100 lbs.	10.00

Champion Kibbled Dog Food

This is exactly the same as the whole biscuits excepting that it is broken into small pieces for convenience in feeding.

1 lb.	$ .15
5 lbs.	.65
25 lbs.	3.00
50 lbs.	5.50
100 lbs.	10.00

IMPERIAL DOG FOODS

IMPERIAL DOG FOODS are specially prepared as an all-around balanced ration diet for mature dogs. They are "Balanced in Vitamins" and the nutritional values that keep dogs in vigorous, healthy condition.

Kibbled		Biscuit	
1 lb.	$ .10	1 lb.	$ .15
5 lbs.	.45	5 lbs.	.55
10 lbs.	.85	10 lbs.	1.00
25 lbs.	2.00	25 lbs.	2.40
50 lbs.	3.50	50 lbs.	4.50
100 lbs.	6.50	100 lbs.	8.50

PIGEON FEED AND SUPPLIES

PHILADELPHIA PURE GRAIN FEEDS
Prices on Request

Nests $ .10 up Waterers $ .90 up Feeders $ .90 up

BIRD SEEDS

CANARY		PEPPER
CELERY	Prices	POPPY
FLAX	on	RAPE
HEMP	Request	SUNFLOWER
LETTUCE		THISTLE
MILLET		BECKERT'S MIXED

BIRD SUPPLIES

Baths	10 cts., 25 cts. and up
Bitters	25 cts.
Cages	$3.25 and up
Charcoal	2 lbs. 25 cts.
Cuttle Bone (pkgs.)	10 cts., 15 cts.
Cuttle Bone (loose)	2 for 5 cts., 60 cts. lb.
Gravel	2-lb. box 10 cts., 10-lb. bag 35 cts., 50-lb. bag 90 cts., 100 lbs. $1.75
Houses	$1.50 and up
Lice Powder	25 cts.
Moulting Food	25 cts.
Nesting Food	10 cts.
Nesting Hair	10 cts.
Song Restorer—8 in 1	25 cts.
Magic	20 cts.
New Life	20 cts.
Supreme	20 cts.
Spratts	25 cts.
Unexcelled	25 cts.
Song Restorer Cups	5 cts., 6 for 25 cts.
Tonic	25 cts.
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Wash	25 cts.

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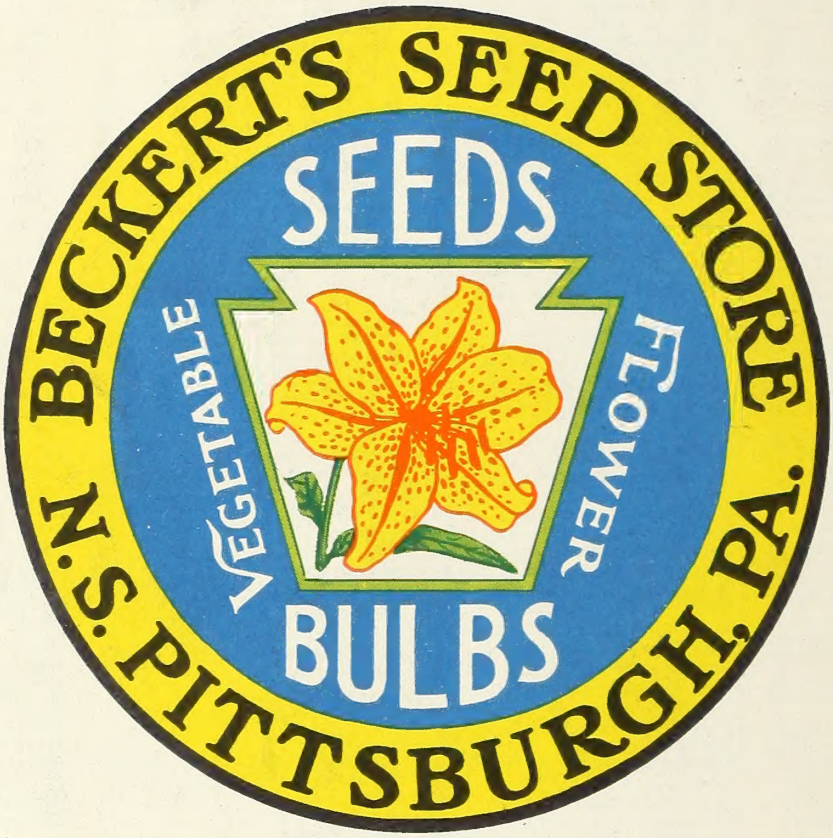
BECKERT'S SEED STORE
N.S. PITTSBURGH, PA.
SEEDS
VEGETABLE
FLOWER
BULBS